

**AMENDMENT NO. TWO FOR
GMP PHASE THREE (CIVIC CENTER BUILDING,
CENTRAL LIBRARY EXPANSION & PARK)
C.W. DRIVER FOR
FOR NEWPORT BEACH CIVIC CENTER AND PARK**

THIS AMENDMENT NO. TWO FOR CONSTRUCTION MANAGER AT RISK CONTRACT ("Amendment No. Two"), is entered into as of this 22 day of February, 2011, by and between the CITY OF NEWPORT BEACH, a California Municipal Corporation ("City"), and C.W. Driver, Inc., a California Corporation whose address is 15615 Alton Parkway, Suite 150, Irvine, California 92618 ("CM"), and is made with reference to the following:

RECITALS:

- A. On June 7, 2010, City and CM entered into a Construction Manager at Risk Contract ("CM Contract") for the Newport Beach Civic Center and Park Project ("Project").
- B. On September 3, 2010, City and CM entered into Change Order No. One to the CM Contract, as contemplated in the CM Contract, Article Six, Section 6.1.9(e), to add the Design Build 450 stall parking garage and to increase the Guaranteed Maximum Price ("GMP").
- C. City desires to enter into this Amendment No. Two to reflect additional services not included in the CM Contract or Change Order No. One, to add the construction of the City Hall Office Building, Central Library Expansion, Parks and miscellaneous items of work for the Newport Beach Civic Center and to increase the Guaranteed Maximum Price ("GMP") and to update the insurance provisions consistent with the City's election to implement an Owner Controlled Insurance Program ("OCIP").
- D. City and CM mutually desire to amend the agreement, as provided below.

NOW, THEREFORE, it is mutually agreed by and between the undersigned parties as follows:

1. SCOPE OF WORK

Article Two of the CM Contract shall be supplemented to include the Scope of Work dated February 16, 2011, which is attached hereto as Exhibit '1' and incorporated herein by referenced. The City may elect to delete certain tasks of the Scope of Services at its sole discretion.

2. COMPENSATION

Article Six, Section 6.1.1 of the CM Contract shall be amended to increase the GMP to Eighty-Two Million, Three Hundred Seventy-Four Thousand, Three Hundred Eighty-Four Dollars and no/100 (\$82,374,384.00).

3. INSURANCE

Section 7.1 of the CM Contract shall be amended to include subpart (a) to read:

(a) On February 22, 2011, the City Council elected to implement an OCIP consistent with this Section 7.1. The terms and obligations imposed on the City and CM as a result of this election are set forth in Exhibit 2, attached hereto and fully incorporated by this reference.

4. INTEGRATED CONTRACT

Except as expressly modified herein, all other provisions, terms, and covenants set forth in the CM Contract and Change Order No. One shall remain unchanged and shall be in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this Amendment No. Two on the dates written below.

**APPROVED AS TO FORM:
OFFICE OF THE CITY ATTORNEY**

Date: 2/16/11

By: [Signature]
Leonie Mulvihill
Assistant City Attorney

**CITY OF NEWPORT BEACH,
A California municipal corporation**

Date: [Signature]

By: [Signature]
Michael F. Henn
Mayor

ATTEST:

Date: 5-19-11

By: [Signature]
Leilani I. Brown
City Clerk



**CM: C.W. DRIVER, INC., a California
Corporation**

Date: 4-29-11

By: [Signature] [Signature]
John Thornton
Executive Vice President

Date: _____

By: _____
Bessie Kouvara
Chief Financial Officer

Attachments: Exhibit 1 - Additional Services to be Performed
 Exhibit 2 - Owner Controlled Insurance Program

Exhibit 1

C.W. Driver
BUILDERS SINCE 1919

15615 Alton Parkway
Suite 150
Irvine, CA 92618
Fax 949.261.5167
Telephone 949.261.5100

February 16, 2011

Mr. Stephen G. Badum
City of Newport Beach
3300 Newport Blvd.
Newport Beach, CA 92658

**Re: Newport Beach Civic Center and Park Project
Project Phase III GMP**

Dear Stephen,

C.W. Driver is pleased to submit our Guaranteed Maximum Price Proposal (GMP) for the Newport Civic Center and Park Project – Phase III.

For clarification of our proposed services, please see the attached documents. The total proposal for these services is as follows:

Item	Description	Total
I	Project Phase III GMP Scope of Work*	\$79,097,902
II	Credit for Scope Reduction of Previous Phase I and II	(\$373,000)
III	Revised Subtotal	\$78,724,902
IV	Off-site Liability and Auto – (0.712%)	\$558,947
V	Construction Management Fee (3.25%)	\$2,558,559
VI	Direct Expenses Allowance for Project Bond (0.65%)	\$531,975
	TOTAL	\$82,374,384

*Includes Construction Contingency

PROJECT SCOPE:

Phase III of the Newport Civic Center and Park Project consists of a certified LEED Silver 95,000sf two story office structure, a 17,000sf two story addition onto the existing Newport Beach Public Library, new dog park and associated improvements at the North Park (North of San Miguel), (3) pedestrian bridges, plantings, walk paths and gathering areas of various pavement types, benches and appurtenances at the Central Park, and various site improvements and landscaping surrounding the building structures at the South Park area.

The GMP for this work is based upon the initial design identified in the 100% CD Set of Documents and Specification provided by Bohlin, Cywinski, Jackson (BCJ) dated November 4, 2010, subsequent issued Addendum #1, dated November 18, 2010 and Addendum #2, dated December 10, 2010 including pre-bid RFI responses #Prebid-0001 through #Prebid-0162 and Bulletin 1 dated January 20, 2011. However, Prebid-RFI #0137 is excluded from the GMP. Any changes made to the plans and specifications issued after these dates are specifically excluded from the project GMP. (Please see attached Exhibit A)

In addition to the above scope of work, there are two alternates identified in the Phase III Design Documents:

- 1) Pedestrian Bridge over San Miguel.....Add \$ 2,000,000
- 2) Photovoltaic System for Civic Center Building.....Add \$ 750,000



Both Alternates #1 and #2 are specifically excluded from the Phase III Project Scope of work and excluded from the GMP amount. Should the City of Newport Beach choose to add either of these alternates to the project, the Project GMP would increase by the amounts shown above.

A list of Value Engineering (VE) suggestions that were approved by the City of Newport Beach for the Phase III scope of work has been attached for your reference. Those VE items already approved by the City (totaling have been identified ("YES" in Accepted Column) in the attached "Value Engineering Log" and the costs are reflected in the final Phase III GMP proposal.

As part of the Phase III GMP, CWD has included a list of Project Allowances for your reference. As stipulated in our Agreement, 100% of any allowance amount not used in the project will be returned to the Owner in its entirety. The allowances are identified in the attached "Scope and Pricing Sheets". CWD will provide the Owner with a full accounting of the usage of these monies on a monthly basis.

As previously agreed to, the City has elected to use an Owner Controlled Insurance Program (OCIP) for both the Phase II and Phase III portion of the Project. The Phase III GMP proposal accounts for the use of this program on the project for all requirements as identified in the project draft OCIP Manual dated November 2, 2010 and the OCIP project safety manual dated December 7, 2010.

Project Phase III Scope Qualifications and Exclusions:

- I. General Qualifications:
 - a. BCJ/ARUP to provide all CAD file backgrounds and 3D models necessary for this work.
 - b. CWD to issue the City of Newport Beach (CNB) a completed 3D Revit model at project closeout as produced by CWD and their subcontractors during the construction coordination process. Training how to use the model is included.
 - c. City of Newport Beach to contract with all artists providing work for the project including the Willow Structures identified on the Landscape Drawings. CWD has included an allowance of \$100,000 in the GMP for this work as a place holder for the City that can be transferred out at a later date.
 - d. CNB to pay for all Building Permits and inspections under City of Newport Beach jurisdiction. Individual trade permits as required in the specifications are included by CWD and their subcontractors.
 - e. CNB to pay for all construction utility usage charges for project. CWD has not included any money in the GMP for these charges.
 - f. CWD excludes all hazardous material removal including subsurface conditions not identified in the project soils report.
 - g. In the case of conflicts between the floor plans and finish schedule, the finishes shown on the project finish schedule shall supersede and is included in the GMP.
 - h. CWD excludes temporary office or swing space for library staff during construction.

- i. All labor and work hours for this work are based upon regular project working hours, Monday thru Friday and exclude overtime and shift work with the exception of after hours utility shut downs as required for the existing library.
- j. CWD includes all required recycling and recycling documentation of construction waste in accordance with project LEED requirements.
- k. The Civic Center's target to obtain a LEED Silver rating is based upon the design prepared by the Project Architect, Bohlin, Cywinski, Jackson. CWD is reliant upon the project design to achieve this Silver LEED rating target.
- l. CWD excludes demo, relocation and any work associated with relocating the City's existing ATM machine to the new City Hall project site.
- m. CWD includes all site dewatering and State required water quality provisions as defined in the project documents, SWPPP and erosion control, etc. for the project as part of this proposal for normal seasonal weather conditions. CWD has not included this scope for provisions for above average / normal rain fall or force majeure conditions as stated in our agreement.
- n. CWD excludes all project design and engineering for project except for those trades where it is specifically required by the project documents as defined as deferred approvals listed in Item #6 of Sheet CS2.
- o. CWD includes coordination of work with the CNB's project consultants and General Services Department.
- p. CWD includes a project mock-up of the north park fence at the dog park.
- q. CWD has not included any project scope of work, costs or fees for attaining LEED certification for the existing library or library addition. Therefore, any additional work or fees associated with attaining any type of LEED certification for these areas is specifically excluded from this Phase III GMP Proposal.
- r. CWD excludes all retro-commissioning scope of work beyond what is currently shown in the contract documents for the existing library and library addition.
- s. The Owner has selected an OCIP to be used on this project with AON being the OCIP Administrator. CWD will fill out and have our subcontractors fill out and submit the AON -I insurance form provided in the draft OCIP project manual dated November 2, 2010 as required to enroll in the program, however, AON will be responsible for verification of final enrollment in the program by the subcontractors on the project. CWD will help coordinate any efforts necessary with the CNB and AON.
- t. This Phase III GMP has taken into account the selected OCIP insurance program for this project and this proposal includes all of the total costs and final credits associated with this insurance program. Therefore, CWD and their subcontractors exclude any final cost adjustments to the project under this proposal at the closeout of the project as related to this type of insurance program.

- u. CWD will provide all specified work as shown including all required labor and equipment warranties, but does not guarantee or warranty the Engineer of Record's expected level of energy efficiency of the building or the expected functionality of any of the building systems. This is the responsibility of the project Engineer of Record.
- v. CNB to provide a separate Commissioning Agent to commission the project.
- w. CWD specifically excludes removal, protection, transportation and installation of all wall pictures, picture hangers, etc. as identified as OFCI items in the contract documents.
- x. CWD will provide the City with all required warranties and guarantees as required by the Contract Documents unless otherwise qualified in this letter, however, please be informed that since the library addition and Civic Center will have separate completion and project turn over dates, that the warranties and guarantees for each part of the project will start at the project Owner Occupancy date for each individual project structure respectively.
- y. In addition to the Scope of Work in the Phase III GMP, CWD is also performing the utility relocation scope of work for the chilled water lines at the backside of the existing library as follows. This work is being paid for out of Phase I contingency and therefore, not reflected in the Project Phase III GMP costs:
 - (1) Relocation of the existing two (2) inch gas line that services the hot water boiler system. This line will be re-routed through the existing library space, down to the basement level to the existing airway where the new high efficient boiler will be located.
 - (2) Furnish and install a new 96% high efficiency boiler (1.7MBTU/H) complete with all required housekeeping pads, vent flues, piping, and new electrical power to new boiler location.
 - (3) Cut and cap of existing hot and cold water lines. (Removal of lines by Phase III Grading / Demo Subcontractor)
 - (4) Cut and cap of existing gas service to library building. (Removal of lines by Phase III Grading / Demo Subcontractor)
 - (5) Cutting and temporary patching of existing AC paving (hot patch) between library and existing utility yard.
 - (6) Safe-off and removal of two (2) existing exterior light poles to be turned over to Owner for storage.
 - (7) Flushing, testing and commissioning of the systems modified by this work.
 - (8) Owner's manuals and as-built documents to be turned over to the Owner at project completion for this scope of work.
 - (9) (1) year Contractor's warranty in addition to equipment manufacturer's warranty for new equipment.

II. Trade Specific Qualifications

002.1 – Site Utilities

- a. CWD includes an allowance of \$17,000 for slope anchors not shown in the specifications, but typically required by code.

002.2 – Demolition

- a. CWD includes all temporary safety barricades and associated signage for public safety.

002.3 – Site Concrete

- a. CWD has excluded the water repellent specified in contract documents for any horizontal surfaces or curbs. The architect informed CWD that this scope was not required in these areas.

002.4 – Landscape and Irrigation

- a. CWD excludes the Willow Structures as shown on the contract documents and all associated labor and equipment related to the building of these structures by the chosen artist. (see allowances)
- b. BCJ/PWP to locate and source all specimen trees for project to verify their availability in the market for the quantities shown on the project documents including Torrey Pines and Magnolia trees.

002.6 – Finish Grading

- a. Finish grade of landscaped areas will be within +/- 0.10' of indicated grade vs. the tolerances identified per the specifications.

003.1 – Structural Concrete / Rebar

- a. Exposed elements of structural concrete that are required to be integrally colored concrete will be formed and poured separately to minimize the amount of colored concrete required. This may require the addition of concrete construction joints not shown by the plans.

003.2 – Soil Anchors

- a. There is no specification or design performance criteria provided for drilled caissons at the landscape bridges. All caissons are assumed to be 24" diameter x 20' depth, with reinforcing as indicated in detail 10/S6.35. Concrete mix is assumed to be Type A per Concrete plan note 3 on sheet S0.2

004.2 – Stone Veneer / Stone Pavers

- a. Stone veneer on the face of radiused walls is assumed to be straight and segmented. GMP does not include curved stone.
- b. GMP pricing is based upon specified stone material and not necessarily from the named supplier.
- c. Cast stone steps at the library central stairway are assumed to be selected from manufacturer's standard product line.

005.1 – Structural Steel / Misc. Metals

- a. CWD excludes costs for any required out of state welding inspection
- b. Elevator pit ladders are excluded from the GMP, there are none shown on the documents and we have been informed that they are not required.

006.2 – Finish Carpentry and Millwork

- a. Premium corian surface material included, selection still to be made by project architect
- b. 9Wood material at council chambers to be segmented panels, not curved at radius wall. Material specified in documents cannot be made curved.
- c. Lentech privacy panels will be mounted to the structural slab, not to the access floor as indicated.

007.1 – Waterproofing

- a. The GMP includes scope of work to re-waterproof the North elevation of the existing library basement wall as identified in the contract documents. However, since the contract documents do require exposing and re-waterproofing ALL of the basement walls, CWD does not guarantee against water intrusion into the library existing basement area
- b. The GMP excludes damp proofing along stone walls and precast stair treads directly in contact with soil or aggregate mulch.

007.2 – Roofing

- a. According to the manufacturer, Detec roof leak detection system can only be installed within roof assemblies that are directly adhered to a concrete roof slab, therefore, CWD can only provide the Detec roof leak detection system under these conditions.
- b. CWD includes a standard two (2) year installation labor warranty and a twenty (20) year standard manufacturer's limited warranty against material defects in lieu of the specified ten (10) year comprehensive warranty for the specified roofing system.
- c. The GMP includes use a value engineering alternate to utilize polyisocyanurate roofing insulation in lieu of the specified extruded polystyrene

008.3 – Storefront / Glass & Glazing

- a. The GMP includes supply the specified Shuco operable window operators, to be installed in the approved curtain wall system.
- b. The GMP includes supply and installation of Shuco exterior curtain wall and storefront components, with engineering and fabrication by Tower Glass.
- c. It is assumed that the building structure, as indicated by the structural plans and details, has been designed to withstand imposed loads from the exterior curtain wall. Curtain wall indicated to attach to the underside of the metal roof decking will be through-bolted to the decking and backed with plate washers. No other deck reinforcement has been included.
- d. CWD to protect in place top row of windows along North elevation of existing library where new addition is to be constructed.
- e. The GMP includes an allowance of \$134,000 for removal and reinstallation of glazing at library curtain wall at North elevation as indicated in the contract documents.

009.1 – Drywall, Lath & Plaster

- a. CWD to provide a Level V finish at all walls to receive paint finish in the Civic Center Building in lieu of the specified Level IV finish shown in the contract documents.

009.3 – Ceramic Tile

- a. Specified Floor Tile CT – 2, "Porcelto" is no longer available in 8"x8" size. CWD including same tile in a 12"x12" size.
- b. Specified Floor Tile CT – 3 & CT – 4 shown in the library bathrooms is not specified in the finish schedule or specifications. CWD has included a \$3.00/sf material allowance for tile in these areas.
- c. CWD includes standard cementitious grouts and setting beds. All epoxy and latex products have been excluded unless specifically shown on documents.
- d. 5'-0" wainscot of 2"x8" specified tile at Civic Center Rooms 1505, 1506, 1508, and 2258 will be provided.
- e. The contract documents do not define a specific tile pattern/layout. Therefore, the GMP assumes all tile is installed in a square grid at 90 degrees to wall/floor lines.

009.6 – Floor Coverings

- a. Section 096816 – Tile Carpeting: CPT – 4 & CPT -5 are not specified, so CPT-I is assumed at these areas.
- b. Standard carpet tile to be used to replace all carpet removed during construction of library remodel. Only carpet removed in library as shown on demo plan of library drawings.
- c. Only Static Control Resilient Flooring per specification section 09 65 36 will be factory installed on access floor panels. All other floor coverings on access flooring will be installed at the jobsite after installation of access floor system.
- d. CWD excludes special moisture testing beyond what is identified in the contract documents or any special concrete sealers required to mitigate excessive moisture in the building slab on grade.

010.3 – Signage & Graphics

- a. There is currently no signage shown on the contract documents. Per our discussions with BCJ, there will be a project signage package developed later in the project. Therefore all signage and graphics are currently excluded from the GMP.

012.1 – Roller Shades

- b. In the event of conflict between Architectural details and the Electrical shade plans on E2.12 and E2.13 regarding quantities of motorized vs. manual shades, the electrical shade plans shall take precedence.
- c. Roller shades are excluded in the clearstory windows of the Civic Center as per the contract documents.
- d. GMP price includes standard quality blackout fabric only for the blackout shades.

012.2 – Theatrical Seating

- a. The City and the Architect have indicated a desire that the fixed audience seating in the council chamber be provided with a premium upholstery material in order to assure longevity and wearability over the life of the facility, however the final material selection was not available prior to completion of the GMP. CWD has therefore included an allowance of \$50,000 in the Project Phase III GMP proposal for this material upgrade.

013.1 – Tensioned Fabric Structures

- a. The GMP includes cost for a double layer of the specified fabric material, with offset radio welded seams in order to mitigate visual seams.

014.1 – Elevators

- a. GMP includes cost to supply Otis Gen2L elevators.

015.1 – Fire Protection

- a. The GMP price excludes a rapid reaction fire sprinkler system for IDF, Computer Rooms, Command Center, etc.
- b. The GMP price excludes fire sprinklers under all raised floor areas
- c. The GMP price excludes fire sprinklers at sail feature
- d. Copper pipe is only included on the second floor of the Civic Center where the pipe is curved to match the radius of the building ceiling and in ceiling areas open to public view.
- e. Every attempt to match the sprinkler head placement as shown on the architectural plans will be made, however, final sprinkler head count, placement and spacing to be determined by the fire department and local jurisdictional governing entities.

015.3 – HVAC

- a. The blowdown tank indicated in detail 3/M5.04 is assumed to be an old detail that is no longer applicable for this project and therefore, this work is excluded in the GMP.
- b. The GMP includes minor rework of existing HVAC system in the library ONLY where the ducts and mechanical equipment in the ceiling conflicts with the temporary construction safety barrier. The drawings do not clearly show how the controls are relocated or connected during construction and therefore, this scope (if required) has been excluded from the GMP.
- c. The GMP specifically excludes all air testing and balance of both the existing library building and new addition. This work will be re-evaluated, and if necessary, priced once the City receives the retro-commissioning report from their Project Commissioning Agent.

016.1 – Electrical

- a. The GMP includes all specified low voltage scope of work and manufacturers as indicated in the contract documents.
- b. The GMP excludes utility relocation scope of work at library for existing library main power and for the Civic Center Building.
- c. The project documents do not show any type of book security system in the new library addition. The GMP includes an allowance of \$10,000 in the Project Phase III GMP for this scope of work.

Phase III GMP Proposal Standard Exclusions:

1. Monthly site and office utility usage costs
2. Project night watchman
3. Materials, soils testing and inspection
4. Out of State / Area inspection and premium costs
5. Shuttle services for trades and temporary parking costs
6. Unknown subsurface conditions
7. Building permit and plan check fees
8. All utility company, connection fees and usage costs
9. Subsequent construction phases or added scope of work not addressed in this proposal
10. Independent Labor Compliance Consultant
11. Relocation of low voltage fiber optic line along Avocado Avenue
12. Scope changes requested by others
13. Temporary access roads for emergency use vehicles
14. Construction of exterior conduit and piping utility chases not specifically shown on the contract documents.
15. Installation of electrical lines under the slab of the existing library. (Item #27c. of CWD's Phase III GMP Proposal excepted where an allowance has been provided)
16. Temporary Emergency generators, associated infrastructure and appurtenances

17. Cost of providing a Builder's Risk Insurance policy to cover 100% of all work being performed. The City shall obtain, pay for and maintain a policy until CWD has been fully paid including retention. The policy shall also have an insurance deductible not to exceed \$25,000 per occurrence.

Please note that we are committed to the total success of this project and look forward to continuing our relationship with the City of Newport Beach and the Design Team. Please feel free to call, should you have any questions.

Sincerely,



Bruce Curry
Project Executive

cc: William Hahn, CWD
Robert Shafer, CWD
Andy Feth, CWD
David Edwards, CWD
Rimma Gutnik, CWD

Attachments Include:

- Phase III GMP Summary
- Phase III GMP Scope and Pricing Sheets
- Phase III GMP Value Engineering Log
- Summary of Allowances
- List of Phase III – Exhibit "A" Contract Document Listing
- Trade Package Summary – Scope Analysis
- Summary Project Schedule
- Subcontractor Bid Day Submissions (Separate Binder)

* No.	Bid package Description	Seq	Description	Notes	Phase III	
*		1	Project Statistics			
		2	Allowances		678,475	
		3	Sustainable Design Requirements	In Soft Costs		
		4	General Commissioning Requirements	By owner		
		5	Hazardous Materials Mitigation	In Soft Costs		
		6	Survey	hm	305,230	
		7	Site Specific Requirements		327,096	
		8	Temp. Barricades & Chain link Fencing		202,681	
		9	Security	In Soft Costs		
		10	Temp Facilities and Controls		93,110	
		11	Construction & Final Clean-Up		326,395	
		12	Tests and Inspection	In Soft Costs		
		13	Demonstration and training	with allowances		
002.2	Demolition	14	Selective Structure Demolition		263,725	
		15	Construction Waste Management and Disposal		39,124	
002.6	Finish Grading	16	Site Clearing/Site and Fine Grading		1,349,825	
		17	Temp Dewatering		51,097	
		18	Temp Earth Support		81,081	
003.2	Soil Anchors	19	Ground Anchors		554,800	
		20	Erosion Control		161,321	
002.5	AC Paving	21	Asphalt Concrete Pavement		226,227	
		22	Striping and Pavement Markings	with AC paving		
004.2	Stone Veneer and Pavers	23	Sand-set Stone Paving	With Stone veneer and pavers		
		24	Mortar-set Precast Concrete Unit Slab Pavers	With Stone		
		25	FRP Structural Shapes /fencing	for phase III- with trades		
002.3	Site Concrete	26	Concrete Paving		2,972,443	
002.1	Site Utilities	27	Underground Utilities		903,998	
		28	Natural Gas Distribution	with site utilities		
		29	Storm Drainage Piping	phase I and for phase III with site utilities		
		30	Landscape Sub- drainage	with landscape		
		31	Sub- drainage	With Underground utilities		
		32	Willow Sculptures	With Allowances		
		33	Site Furnishings		531,826	
002.4	Landscape & Irrigation	34	Landscape and Irrigation		4,816,892	
		35	Concrete Reinforcement - Structural	with Cast in place concrete - Structural		
		36	Concrete Reinforcing - Civil	with Site concrete		
003.1	Structural Concrete	37	Cast-in-place Concrete - Structural		4,280,568	
	TBD	38	Landscape Cast-in-place Concrete Site Walls			

* No.	Bid package Description	Seq	Description	Notes	Phase III	
		41	Mortar-Set Precast Concrete Units	with Stone Veneer and paving		
004.1	Masonry and brick pavers	42	Site Concrete Unit Masonry Walls - Landscape, Brick Pavers, Brick Floors		1,236,938	
004.2	Stone Veneer and pavers	43	Exterior Stone Cladding and Paving		3,626,717	
		44	Stone Tiling	with exterior stone		
005.1	Structural Steel	45	Structural Steel		8,414,696	
005.2	Metal Deck	46	Metal Decking		588,456	
005.3	Miscellaneous & Ornamental Metals	47	Metal Fabrications		2,131,648	
		48	Decorative Metal and Glass Railings	moved: trellises from ornam		
		49	Flagpoles	with misc metals		
006.1	Rough Carpentry	50	Rough Carpentry		678,407	
006.1	Rough Carpentry	51	Interior Architectural Woodwork	doors paneling, privacy partitions	1,984,450	
		52	Mock up		75,000	
007.1	Waterproofing	53	Water proofing Site Damp proofing/		881,373	
007.4	Building Insulation	54	Thermal Insulation	under slab building insulation is moved to concrete	271,086	
009.1	Drywall, Lath & Plaster	55	Fireproofing	with drywall		
		56	Penetration Firestopping		38,589	
007.3	Sheet Metal	57	Architectural Metal Flatlock Panels	with sheet metal		
008.3	Curtain Wall	58	Architectural Metal Panels	with curtain wall		
		59	Concrete Sealer		124,019	
007.2	Roofing	60	Polyvinyl-chloride (PVC) Roofing		1,298,305	
007.3	Sheet Metal	61	Sheet Metal Flashing and Trim		1,173,627	
		62	Roof Accessories			
		63	Expansion Control		62,998	
008.5	Skylights	64	Sloped Glazing Assemblies		115,185	
		65	Joint Sealants		180,871	
008.1	Doors, Frames & Hardware	66	Hollow Metal Doors and Frames	Card entry; fire doors	608,295	
		67	Sound Control Door Assemblies	with doors		
006.1	Rough Carpentry	68	Sliding Aluminum-framed Glass Doors	with aluminum curtain wall		
008.2	Overhead Coiling Doors	69	Overhead Coiling Grilles		82,654	
		70	Smoke Guards	with allowances		
008.3	Curtain Wall	71	Aluminum-framed Entrances and Storefronts/ Glazed Aluminum Curtain Walls		7,310,000	
		72	Aluminum Windows	with curtain wall		
009.1	Drywall, Lath & Plaster	73	Gypsum Board		2,784,963	

* No.	Bid package Description	Seq	Description	Notes	Phase III	
		74	Access Doors & Frames		43,548	
009.2	Ceramic Tile	75	Ceramic Tiling		219,340	
009.3	Acoustical Ceilings	76	Acoustical Panel Ceilings and Wood ceilings		2,253,796	
009.4	Acoustical Wall & Ceiling Panels	77	Stretched Fabric Ceiling Systems		409,669	
009.5	Floor Coverings	78	Flooring		376,851	
009.9	Terrazzo	79	Resinous Matrix Terrazzo Flooring		13,200	
009.6	Access Flooring	80	Access Floor		1,201,823	
009.7	Painting	81	Painting		675,165	
010.1	Toilet Partitions & Accessories	82	Toilet Compartments		85,130	
	Buy- out	83	Louvers & Vents	with sheet metal		
		84	Wall and Door Protection		8,587	
		85	Visual Display Surfaces		18,542	
		86	Signage	with allowances		
		87	Metal Lockers		14,510	
		88	Fire Extinguishers		7,299	
		89	Projection Screens and Projector Mounts		38,425	
		90	FF & E	with soft costs		
011.1	Food Service Equipment	91	Food Service Equipment		121,970	
		92	Residential Appliances		21,425	
		93	Artwork	soft costs and allowances		
012.1	Window Treatments	94	Roller Window Shades		181,000	
		95	Entrance Floor Mats and Frames		28,198	
012.2	Theater Seating	96	Fixed Audience Seating		214,360	
013.1	Tensioned Fabric Structures	97	Tensioned Fabric Structures-Sail		314,831	
		98	Photovoltaic System	alternate		
		99	Material Handling Carts		50,690	
014.1	Elevators	100	Electric Traction Elevators		246,444	
015.1	Fire Protection	101	Fire Protection		672,397	
015.2	Plumbing	102	Plumbing		1,066,253	
015.3	HVAC	103	HVAC		7,026,176	
016.1	Electrical	104	Electrical		9,626,197	
		105	Audiovisual Systems	with electrical		
		106	IT	with Electrical		
		107	Electronic Safety And Security	with electrical		
		108	Alternates			
		109	Photographic Documentation		24,062	
#	#	110	End Csi Listing			
			****End Of Summary - Do Not Erase****			
			SUBTOTAL		76,794,080	

* No.	Bid package Description	Seq	Description	Notes	Phase III	
#	#	111	Construction Contingency	3.00%	2,303,822	
#	#	112	Design contingency			
#	#	113	Escalation- market conditions			
#	#	114	Credit for phase		(373,000)	
#	#	115	Sub Bonds			
#	#	116	Preconstruction			
#	#	117	General Conditions			(7,169,255)
#	#	118	Permits & Special Insur.			
#	#	119	Data Processing			
#	#	120	Off site Liability and Auto insurance	0.71%	558,947	
#	#	121	On Site Liability insurance-	0.20%	by Owner	
#	#	122	Overhead & Fee	3.25%	2,558,559	
#	#	123	Prime Bond	0.65%	531,976	
Total Estimate					82,374,384	

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* Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
* 01 10 00	Project Statistics	213,112		
	100 % CD drawings issued on November 4, 2010, Addenda 1, 2 and bulletin 1			
	Exclusions and qualifications -under separate cover			
	City Hall			
	Lower level	11,653.0 sqft		
	First floor	39,234.0 sqft		
	Second floor	38,776.0 sqft		
	Balcony	960.0 sqft		
	Bridge	152.0 sqft		
	Roof	66,285.0 sqft		
	Total hall area including 1/2 area of balcony and bridge			
	Community room			
	First floor	4,860.0 sqft		
	Second floor	2,317.0 sqft		
	Roof	16,437.0 sqft		
	Chambers			
	First floor	5,816.0 sqft		
	Slanted roof	6,201.0 sqft		
	Library			
	Lower level	3,494.0 sqft		
	First floor	9,198.0 sqft		
	Second floor	9,118.0 sqft		
	Lower Roof	5,605.0 sqft		
	Upper roof	6,862.0 sqft		
	South Park	232,961.0 sqft		
	Central Park	244,008.0 sqft		
	Including wetlands	74,020.0 sqft		
	North Park	142,109.0 sqft		
	Subtotal for parks	619,078.0 sqft		
	Alternates			
	Grand Total Project Statistics			
* 01 21 00	2 Allowances			

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
* 5	Hazardous Materials Mitigation				
	in soft costs, if required				
	<u>Alternates</u>				
	Grand Total Hazardous Materials Mitigation				
* 01 73 00	6 Survey				
	Phase III				
	Layout for foundations	30.0	cwhr	215.00	6,450
	Layout building utilities connections to site utilities	10.0	cwhr	215.00	2,150
	Provide vertical and horizontal control of building structure	40.0	cwhr	215.00	8,600
	Provide as-built drawings	1.0	lsum	5,000	5,000
	Community room				
	Layout for foundations	8.0	cwhr	215.00	1,720
	Layout building utilities connections to site utilities	2.0	cwhr	215.00	430
	Provide vertical and horizontal control of building structure	8.0	cwhr	215.00	1,720
	Provide as-built drawings	1.0	lsum	1,000	1,000
	Chambers				
	Layout for foundations	8.0	cwhr	215.00	1,720
	Layout building utilities connections to site utilities	2.0	cwhr	215.00	430
	Provide vertical and horizontal control of building structure	8.0	cwhr	215.00	1,720
	Provide as-built drawings	1.0	lsum	1,000	1,000
	Library				
	Layout for demolition	20.0	cwhr	215.00	4,300
	Layout for foundations	40.0	cwhr	215.00	8,600
	Layout building utilities connections to site utilities	16.0	cwhr	215.00	3,440
	Provide vertical and horizontal control of building structure	4.0	cwhr	215.00	860
	Provide as-built drawings	1.0	lsum	3,500.00	3,500
	South Park				
	Layout limits of work	40.0	cwhr	215.00	8,600

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Rumble plates	1.0	Isum	145,000.00	145,000
	Remove, clean store and install owner existing items follows-				
	City Seal	1.0	Isum	1,000.00	1,000
	City plaques	1.0	Isum	1,200.00	1,200
	Irrigation for trees	1.0	mnth	with landscape	
	Arborist services	9.0	mnth	with landscape	
					327,096
*	<u>Alternates</u>				
Grand Total Site Specific Requirements					327,096

*	01 50 00	8 Temp. Barricades & Chain link Fencing	
		Phase III	
		Relocate / maintain as needed temp chain link with scrim	6,680.0 Inft 2.00 13,360
		Library	follows
		Temporary barricades - metal studs framing, gypboard both sides, paint (2 story)	480.0 Inft 165.00 79,200
		Temp barricades outside	24.0 week 3,111.00 74,664
		Dust partitions at the library	2,000.0 sqft 4.00 8,000
		Temp wood fencing	300.0 Inft 33.00 9,900
		Install remove temp filters at the HVAC	1.0 lsum 8,000.00 8,000
		Protect new boilers	1.0 lsum 765.00 765
		South Park	
		Relocate / maintain as needed temp chain link with scrim	1,600.0 Inft 1.12 1,792
		Central Park	
		Relocate / maintain as needed temp chain link with scrim	1,250.0 Inft 1.12 1,400
		Additional protection at sensitive areas	350.0 Inft 12.00 4,200
		North Park	
		Relocate / maintain as needed temp chain link with scrim	1,250.0 Inft 1.12 1,400

* 01 50 00	9 Security
by Owner	In soft costs

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
					326,395
	Alternates				
	Grand Total Construction & Final Clean-Up				326,395
	12 Tests and Inspection				
	Test and inspections are by owner			In soft costs	
	Alternates				
	Grand Total Tests and Inspection				
	01 79 00 13 Demonstration and training				
	Facilitator /Training company			with allownces	
	Instructor			with allownces	
	Professional Videographer			with allownces	
	Alternates				
	Grand Total Demonstration and training				
	02 41 13 14 Selective Structure Demolition				
	02 41 13 Selective Site Demo				
	02 41 19 Selective Structure Demolition				
	Phase III				
	Sub proposal	1.0	Isum	164,000.00	164,000
	Remove façade stucco				
	Remove finishes back to structure				
	Shore as needed at the clerestory	1.0	Isum	29,750	29,750
	Remove structure at stairs			included	
	Remove metal HVAC grates			included	
	Demo stone / setting bed from stairs			included	
	Demo portion of the wall			included	
	Duration 15 days			included	
	Install / remove temp entrance mats	1.0	Isum	3,400.00	3,400
	Protect existing surfaces labor and material	60.0	mnhr	120	7,186

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* Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
	Inventory and Remove furniture by owner			
	Transport to the owner selected location and Store	40.0 mnhr	62.15	2,486
	Transport back , clean reinstall	40.0 mnhr	62.15	2,486
	Waste management	40.0 each	475.00	19,000
	Scaffold at stairs	8.0 month	425.00	3,400
	Temporary doors at the 2nd floor for the exit - insatll /remove	2.0 each	1,455.00	2,910
	Site Clearing			
	Clear and dispose of site vegetation at library :			
	Clear and dispose of concrete at library area			
	Remove A.C. paving at library			
	Remove utilities to be relocated			
	Protect existing utilities and trees as noted	1.0 lsum	7,500.00	7,500
	Demo of electrical vaults	3.0 each	3,500.00	10,500
	Additional Moves in	4.0 each	2,777.00	11,108
				263,725
*	Alternates			
	Grand Total Selective Structure Demolition			263,725
* 01 74 19	15 Construction Waste Management and Disposal			
	Phase III			
	Extra labor to sort through duration of the project	1,648.0 mnhr	23.74	39,124
				39,124
*	Alternates			
	Grand Total Construction Waste Management and D			39,124
* 31 00 00	16 Site Clearing/Site and Fine Grading			
	02 41 13 Selective Site Demo			
	01 56 39 Tree protection			
	Phase III			
	Sub contractor proposal	1.0 lsum	1,286,000.00	1,286,000
	Mobilization			
	Fine grade			
	Wall trim as needed for walls at basement level at Phase III			
	Backfill exterior walls only with onsite footing spoils			
	Concrete spoils haul off			

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Street sweeper				
	Library				
	Site Clearing				
	Clear and dispose of site vegetation at library :			with demo	
	Clear and dispose of concrete at library area			with demo	
	Remove A.C. paving at library			with demo	
	Remove utilities to be relocated			with demo	
	Protect existing utilities and trees as noted			with demo	
	Demo of electrical vaults			with demo	
	Moves in			with demo	
	Place and compact (2') topsoil over landscape areas				
	Cut back for retaining walls				
	Backfill for the temporary retaining basin	11,750.0	sqft	3.00	35,250
	Backfill exterior walls only with onsite footing spoils	364.8	cuyd	16.00	5,837
	Concrete spoils haul off				
	Street sweeper				
	South Park				
	Grading				
	Grade for curbs, gutters and flow lines associated with vehicle paving.				
	Grading for walkway paths				
	Grading of landscape areas with 2 ft of topsoil				
	Cut curb grade for "A" curb along proposed walks				
	Rough grade to +/- .1' for pavement and hardscape areas				
	Fine grade at swales				
	Street sweeper				
	Backfill landscape areas with of topsoil from designated onsite piles				
	Re-grade landscape areas after topsoil placement				
	Allow for (5) mobilizations				
	Central Park				
	Grading of slopes.				
	Backfill landscape areas with of topsoil from designated onsite piles				
	Re-grade landscape areas after topsoil placement				
	Import from onsite topsoil stockpiles to East Middle park				
	Place and compact (2') from onsite topsoil over East/West Middle Park Areas				
	Rough grading of slopes and landscape areas to allow underground contractor to install storm drain				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Cut curb grade for "A" curb along proposed walks				
	Rough grade for swales after sand drains have been installed by others				
	Original ground processing				
	Provide construction water meter for own work				
	Rough grading of walkway paths +/- .1' after curbs are installed				
	Re-Grading of landscape areas and slopes after underground has been installed.				
	Recompact 3' below bottom of footings for pedestrian bridges				
	Import from onsite topsoil stockpiles to East Middle park				
	Street sweeper				
	North Park				
+	Rough grade for paved areas along Avocado Dr.				
	Rough grade for swales after sand drains have been installed by others				
	Original ground processing				
	Cut curb grade for "A" curb along proposed landscape walks				
	Cutback for retaining walls (upper two walls)				
	Backfill retaining walls with rock per detail "B" walls "B"/"C"	1,199.0	lft	16.00	19,184
	Re-grade all areas after backfill of retaining walls are backfilled /utility been installed				
	Rough grade for walks after curbs installed.				
	Backfill landscape areas with 6" of topsoil from designated onsite piles				
	Re-grade landscape areas after topsoil placement				
	Street sweeper				
	Touch up grade after backfill of retaining walls are backfilled and installed				
	Move in	2.0	each	1,777.00	3,554
					1,349,825
	Alternates				
	Grand Total Site Clearing/Site and Fine Grading				1,349,825
* [7 Temp Dewatering					
	Phase III				
	Rent/ Use pumps and hoses to dewater during rainy season	88.0	locations	580.65	51,097

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
					51,097
	<u>Alternates</u>				
	Grand Total Temp Dewatering				51,097
31 50 10	18 Temp Earth Support				
	Phase III				
	Ramps/ Temporary earth support at the basement at the library	3,003.0	sqft	27.00	81,081
					81,081
	<u>Alternates</u>				
	Grand Total Temp Earth Support				81,081
31 68 00	19 Ground Anchors				
	Phase III				
	Subcontractor proposal	1.0	lsum	531,000.00	531,000
	Footing tie down per 13/15/S3.02				
	Extensive testing -install about 6 / day			included	
	Spoils removal			by grading	
	Additional move for library	1.0	lsum	3,500.00	3,500
	Prepare the site for the equipment	1.0	lsum	4,800.00	4,800
	Remediation of the grade after the tie back operation	1.0	lsum	11,000.00	11,000
	Central park				
	24" diameter drilled piers, 20-0 at bridges			in above	
	Spoils removal	1.0	lsum	4,500.00	4,500
					554,800
	<u>Alternates</u>				
	Grand Total Ground Anchors				554,800
31 25 00	20 Erosion Control				

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32 17 23	22 Striping and Pavement Markings
	Garage striping is included in garage pricing
	Phase III with AC paving
	10' Wide pedestrian crossing
	3'-2" x 18" White pedestrian bars, 6'-4" on center
	4" White hash striping for walkways and ADA parking- assumed
	6" White lane stripe
	Lane arrows
	Parking lot striping
	Red curb-
	Sign - no stopping fire lane
	12" solid white striping
	4" blue striping at 36" oc and perimeter outline for walkways & ADA parking
	4" double yellow striping
	8" solid white lane stripe
	Crosswalk Strip (12" x 8")
	Handicap "Parking Only" and "Van Accessible" sign
	Handicap pavement marking
	Special Accessible Passenger Loading Zone
	Alternates
	Grand Total Striping and Pavement

* 32 14 10	23 Sand-set Stone Paving
	32 14 3.16 Mortar-set Precast Concrete Unit Slab Pavers

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
<i>Alternates</i>					
Grand Total Sand-set Stone Paving					
* 32 14 13.16	24 Mortar-set Precast Concrete Unit Slab Pavers				
	with Stone				
<i>Alternates</i>					
Grand Total Mortar-set Precast Con					
* 32 13 00	26 Concrete Paving				
	03 30 01 Cast-in-place Concrete - Civil				
	as applies 03 31 00 Concrete Formwork				
	32 11 23 Aggregate Base				
	03 20 01 Concrete Reinforcing - Civil				
	Phase III				
	Subcontractor proposal	1.0	lsum	2,957,130.00	2,957,130
	South Park				
	Fine grade				
	Install / remove rumble plates				
	Misc pads-, site furnishings, transformers				
	Fiber secondary reinforcement				
	At stone cobble paving:				
	9" concrete sub slab o/ 4 1/2" thick				
	aggregate base o/ sub grade soil				
	4 1/2" thick aggregate base				
	16" thick x 1'-6" tall curb				
	Smooth dowels at 18" OC at curb 2 and				
	trench drain				
	Trench drain encasement				
	At brick paving:				
	concrete sub slab				
	4 1/2" thick aggregate base				
	Depress concrete sub slab along planting				
	area for FRP retention angle				
	At basalt stone pavers:				
	5" concrete sub slab				
	4 1/2" thick aggregate base				
	Slip sheet				
	Paver concrete sub slab saw cut control joints				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Paver concrete sub slab expansion joint smooth dowels				
	Expansion joint fill material per 3/L13.02				
	Expansion joint sealant and bond breaker per				
	Pedestrian concrete paving				
	4 1/2" thick aggregate base				
	Overex and moisture condition 8" below aggregate base				
	Pedestrian concrete paving - ramps near library entrance 5" thick reinforced concrete with #3 rebar 18" OCEW poured on top of 6" thick compacted agg base				
	24" thick concrete sub slab for stone seat wall				
	18" thick concrete root barrier wall, 6'-0" high				
	Concrete curb gutter				
	Concrete curb				
	1'-6" high battered concrete header at flexible paving				
	Concrete stepped sub slab beneath precast treads at Monumental Stairs per L10.01				
	Concrete stair treads at Park Stairs #5, #6, #7, #8; tooled grooves to be stained with LM Scofield Lithochrome Chemstain CS-1 Black per 3/L09.03				
	Handrail post footings				
	Concrete handicap curb ramp				
	Detectable warning tiles at handicap ramp				
	Concrete maintenance strip				
	Protect finished product	1.0	lsum	2,757.00	2,757
	Footings for:				
	light poles				
	bollard light				
	Bollard pipe				
	Trench drains				
03 33 13	Pedestrian concrete paving mockup				
03 33 13	Mockup of Stair #2 concrete stair and check wall				
03 33 13	Concrete landscape wall				
04 22 23	Concrete steps for Monumental stair mockup				
04 42 13	Footings for 8-0 long wall end mockup	8.0	lnft	337.00	2,696
05 70 00	Footings for decorative metal mockups (TBD)	1.0	lsum	760.35	760
05 73 00	Footings for mockups for each form and finish of decorative metal railing	1.0	lsum	2,281.05	2,281
06 15 35	Footings for 10 x 10 bridge mockup	1.0	lsum	5,069.00	5,069
	Demo mock up	1.0	lsum	1,750.00	1,750
	Rebar				
	Central Park				
	Misc pads-, site furnishings, transformers				

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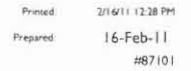
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Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Pedestrian concrete paving				
	Concrete stair treads at Park Stairs #3, #4; tooled grooves to be stained with LM Scofield Lithochrome Chemstain CS-1 Black per 3/L09.03				
	Handrail post footings				
	Retaining wall at sensitive area-per L9.03a and L2.02- with handrails- 2 sides				
	1'-6" high battered concrete header at flexible paving				
	Bollards				
	North Park				
	Fine grade				
	Install / remove rumble plates				
	Misc pads - site furnishings, transformers				
	Pedestrian concrete paving				
	4 1/2" thick aggregate base				
	Overex and moisture condition 8" below aggregate base				
	Expansion joint fill material				
	Expansion joint sealant and bond breaker				
	Expansion joint smooth dowels				
	Saw cut joint				
	1'-6" high battered concrete header at flexible paving				
	Concrete stair treads at Park Stairs #1, #2; tooled grooves to be stained with LM Scofield Lithochrome Chemstain CS-1 Black				
	Handrail post footings				
	Bollards				
	Pedestrian paving smooth dowels a				
	1" exposed pedestrian paving edge along planting areas				
	Detectable warning tiles at handicap ramp				
	Concrete curb				
	Detectable warning tiles at handicap ramp				
	Landscape concrete - site walls				
	South Park				
	Park Stair #5				
	Access ramp walls				
	Footings				
	6" wall, assume avg height is 1'-6" from top of footing to top of wall				
	2'-0" x 1'-6" CMU wall footing				
	Backfill				
	Seawalls (under Stone-brick-veneer)				
	Footing				
	1'-8" thick concrete wall				
	Park Stair #6				
	Footings				



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Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
Grand Total Landscape Cast-in-place					
* 33 11 00	27 Underground Utilities				
	as applies 31 23 33				
	33 31 00				
	33 39 13				
	Sanitary Utility Sewerage Piping				
	Sanitary Utility Sewerage Manholes, Frames and Covers				
	Phase III				
	Subcontractor proposal	1.0	lsum	850,551.00	850,551
	Saw cut, remove replace AC at the street				
	Traffic control				
	Street crossing				
	Water				
	Domestic water				
	3" Domestic water backflow preventer				
	Domestic water meter				
	Domestic, fire and condenser water POC				
	3" Domestic water meter				
	4" Domestic water backflow preventer				
	Thrust blocks				
	Testing, chlorinization				
	Precast culvert and detector check	1.0	lsum	53,447.00	53,447
	Fire Water				
	8" Fire water double check backflow prevention				
	Hydrant				
	8" Fire water - connect to garage				
	Fire water POC				
	Fire water - 8"				
	8" Water service/Avocado Avenue				
	Thrust blocks				
	Testing, chlorinization				
	Sewer				
	Connect to existing cleanout				
	Sanitary cleanout				
	Sanitary sewer				
	Connect to existing SS manhole				
	SS manhole				
	6" Sewer at Avocado				
	Drop SSMH to grade				
	Connect to existing SMH at Avocado				
	SS POC				
	Saddle existing sewer				
	4" Sanitary sewer POC				
	Testing				
	Upsize the pipe to handle the run off from the detention basin (avocado)			not included	

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* Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
				903,998
*	<u>Alternates</u>			
	Grand Total Underground Utilities			903,998
* 33 51 00	28 Natural Gas Distribution			
	as applies 31 23 33 Trenching and Backfilling			
			with site utilities	
	4" Gas line			
	Gas POC			
	Gas meter and regulator/ seismic valve			
	Connect to building			
	Connect to existing gas line			
*	<u>Alternates</u>			
	Grand Total Natural Gas Distributio			
* 33 41 00	29 Storm Drainage Piping			
	as applies 03 30 01 Cast-in-place Concrete - Civil			
	as applies 31 23 33 Trenching and Backfilling			
	33 44 19 Utility Storm Water Treatment			
	33 49 13 Storm Drainage Manholes, Frames and Covers			
			with site utilities	
	South Park			
	24" Storm drain			
	18" Storm drain			
	12" Storm drain			
	8" Storm drain			
	6" Storm drain			
	4" Storm Drain			
	Storm drain man hole			
	Catch Basin			
	Headwall			
	Rainwater leader			
	Storm junction structure (STD-310-L)			
	Storm drain man hole & weir			
	Connect to existing trench drain			
	36" x 24" Concrete box culvert			

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Connect to existing storm drain man hole - adjust as needed				
	Area drain in paving 5" diameter, Josam 5A series satin bronze fin I/C09.05				
	Connect SD inlet to (E) SD				
	Connect to (E) SD				
	SD clean out				
	SD curb inlet				
	6" Storm drain - connect to garage				
	Storm drain - 4" connect				
	SD vertical bend and cleanout				
	Thrust blocks				
	Connect to new 18" SD				
	Connect to Existing Curb Inlet				
	Central Park				
	18" Storm drain				
	12" Storm drain				
	8" Storm drain				
	6" Storm drain				
	4" Storm drain				
	Area drain				
	inlet				
	Curb cut				
	SD point of connection to (E)				
	SD clean out				
	SD vertical bend and cleanout				
	Trench drain type A				
	Headwall outlet				
	Storm curb inlet (STD-305-L)				
	Catch basin in planting, 2' min cover typ.				
	North Park				
	12" Storm drain				
	8" Storm drain				
	6" Storm drain				
	Storm drain wye				
	Curb cut				
	Storm drain man hole & weir structure				
	Headwall outlet				
	Connect to existing SDMH				
	SD clean out				
	SD vertical bend and cleanout				
	SD inlet				
	Area drain				
	Catch basin in planting, 2' min cover typ.				
	4" Storm Drain				
	Storm drain manhole B2				
	Storm curb inlet (STD-305-L)				
	Swale atrium drain				
	Storm junction structure (STD-310-L)				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
Alternates					
Grand Total Storm Drainage Piping					
* 33 41 19	30 Landscape Sub- drainage				
	With landscape package 2.5			with landscape	
	South Park				
	6" perforated PVC pipe				
	4" Perforated sub drain				
	1' Wide gravel sub drain				
	Gravel				
	Detention basins				
	Central Park				
	6" Perforated PVC pipe				
	Drain clean-out				
	Area drain				
	Tie into civil storm drain				
	Treatment swale				
	4" Perforated sub drain at swale				
	1' Wide gravel sub drain				
	Swales				
	North Park				
	6" Perforated PVC pipe				
	Drain clean-out				
	Area drain				
	Tie into civil storm drain				
	Swale				
	8" Perforated sub drain at swale				
	1' Wide gravel sub drain				
	Gravel sub drain				
	Detention basin				
Alternates					
Grand Total Landscape Sub- drainag					
* 33 46 00	31 Sub- drainage				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
*	<u>Alternates</u>				
	Grand Total Sub- drainage				
*	06 61 00 25 FRP Structural Shapes /fencing				
	Phase III			with site concrete	
*	<u>Alternates</u>				
	Grand Total FRP Structural Shapes /				
*	12 93 00 32 Willow Sculptures				
	Willow sculpture designed and installed by Patrick Dougherty. 7 pieces in each sculpture	1.0		allownace	
*	<u>Alternates</u>				
	Grand Total Willow Sculptures				
*	12 93 00 33 Site Furnishings				
	Phase III				
	Cafe tables			with landscape	
	Cafe chairs			with landscape	
	12,977.0 Picnic tables and benches: custom fabricated table and bench lpe	1.0	lsum	12,977.00	12,977
	13,977.0 Accessible Round lpe Picnic table and bench	1.0	lsum	13,977.00	13,977
	10,665.0 Steel structure at Picnic tables and benches: custom fabricated table and bench lpe	3.0	lsum	3,555.00	10,665
	Trash receptacles: Ironsites series model S42 with standard lid, powder coated finish, VS bronze in color, and with 3 in-line anchor hole mount. From Victor Stanley	15.0	each	873.90	13,108

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Recycling receptacles: Ironsites series model S42 with recycle package lid, powder coated finish VS bronze in color, and with 3 in-line anchor hole mount. From Victor Stanley	5.0	each	1,068.55	5,343
	Add for freight trash and recycling receptacles	1.0	lsum	1,013.80	1,014
	Installation	15.0	chrw	248	3,726
	Delivery to the job site from port	1.0	lsum	3,345.54	3,346
	Tree grate	3.0	each	with misc metals	
	Large Concrete rabbit sculpture from Cemrock, 8' tall, integral color white concrete with glazed/painted eyes and nose		each	landscape	
	Boulder circle - salvaged from site			with landscape	
	Central Park				
	Picnic tables : custom fabricated table lpe	5.0	lsum	12,977.00	64,885
	Steel for Picnic tables : custom fabricated table lpe	5.0	lsum	3,555.00	17,775
	Back to back bench,lpe seat board in 1 1/2" wide spacing	1.0	each	9,750	9,750
	Concrete cotton tailed rabbit custom designed 5' long x 3' wide x 17" tall rabbits, 5 different sculptured forms, 3 of each form and 1 each 8' rabbit , as available from Cemrock Landscapes, Inc Tucson, AZ (520) 571-1888, www.cemrock.com		lsum	with landscape	
	Trash receptacles: Ironsites series model S42 with standard lid, powder coated finish, VS bronze in color, and with 3 in-line anchor hole mount. From Victor Stanley			873.90	
	Recycling receptacles: Ironsites series model S42 with recycle package lid, powder coated finish VS bronze in color, and with 3 in-line anchor hole mount. From Victor Stanley	10.0	each	1,068.55	10,685
	Delivery to the job site from port	1.0	lsum	3,345.54	3,346
	Single bench	12.0	each	4,185.00	50,220
	Serpentine Custom Cut lpe Picnic Table 05 - 3' wide table, 1' 4" wide benches on each side, 1/4" joint between boards	102.0	lnft	842.77	85,963
	Accessible Round lpe Picnic table and bench	1.0	each	13,977.00	13,977
Birdblind Bridge	benches	2.0	each	3,555.00	7,110
	North Park				
	Picnic tables and benches: lpe	5.0	each	13,977.00	69,885
	Single bench -lpe	3.0	each	4,185.00	12,555
	Trash receptacles: Ironsites series model S42 with standard lid, powder coated finish, VS bronze in color, and with 3 in-line anchor hole mount. From Victor Stanley	3.0	each	873.90	2,622
	Recycling receptacles: Ironsites series model S42 with recycle package lid, powder coated finish VS bronze in color, and with 3 in-line anchor hole mount. From Victor Stanley	3.0	each	1,068.55	3,206
	Delivery to the job site from port	1.0	lsum	3,345.54	3,346
	Installation	20.0	mnhr	248.38	4,968
	Tree grate	3.0	each	with steel	

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Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
*	Dog park trash receptacle	2.0 ea	873.90	1,748
	Back-to-back benches - lpe	7.0 ea	6,340.28	44,382
	Accessible Round lpe Picnic table and bench per L20.03	1.0 ea		
	Installation of benches and tables	1.0 ea	61,250.00	61,250
				531,826
* Alternates				
Grand Total Site Furnishings				531,826

* 32 93 00	34 Landscape and Irrigation			
	Subcontractor proposal	1.0 lsum	4,747,829.00	4,747,829
32 01 90	Landscape Maintenance Period			
32 15 00	Aggregate Surfacing			
32 91 13	Planting Soil Preparation			
32 91 19	Planting Soil Preparation and Planting Soil Mix Designs			
32 91 19.13	Topsoil			
32 91 19.	23 Structural Planting Soil Mix			
32 92 10	Contract Growing and Maint.			
32 92 21	Meadow Seeding			
32 92 22	Wildflower and Grass Seeding			
32 92 23	Lawn Sodding			
32 84 00	Irrigation			
	Soils			
	Soil testing by Wallace lab			
	Fine grade within 0.04		Excluded	
	Mobilization			
	Rip, till, amend in-place, and fine grade topsoil installed as a part of MX package			
	Imported soil in lieu of top soil			
	36" Imported loamy sand topsoil			
	12" Imported loamy sand topsoil stabilized			
	Existing soil amended in place			
	24" Imported cactus topsoil mix			
	Topsoil in rip rap pockets			
	Geofabric in rip rap			
	Flexible paving walkway - 3" flexible paving			
	4" aggregate base o/ 6" moisture-conditioned excavated and replaced subgrade soil o/ subgrade - at flexible paving			
	Aggregate Mulch Retention angle at entry walls- 4" x 4" x 1/4" FRP	360.0 lft	22.00	7,920
	Rip rap at bio detention basin- 5 locations	5.0 each	2,424.00	12,120
	Irrigation			
	Irrigation meter and backflow preventer			
	Irrigation controller			

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Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
Curbs at restrooms				
Restroom slab depressions				
2" Topping slab at ramps for stone				
Concrete steps on metal deck				
Equipment pad				
Curb at piping per plumbing details	25.0	each	225.00	5,625
Embeds for CIP				
Mockup				
Misc trenching for mechanical work				
Mockup to demonstrate typical formwork, joints, and proposed surface finish, texture, and color				
Mockups to demonstrate typical joints, surface finish, texture, tolerances, and standard of workmanship.				
Footings for mockup of AESS assemblies	1.0	each	3,649.68	3,650
100 Sqft wall for waterproofing mockup	100.0	sqft	12.17	1,217
Footings for metal faced composite water-spray test assembly	1.0	each	1,824.84	1,825
Footings for glazing mockups	4.0	each	500.00	2,000
Demo the mock ups	1.0	lsum	750.00	750
Community Room				
See scope above				
Concrete topping at radiant floor for brick flooring				
steel mesh at concrete at double slab	4,000.0	sqft	4.00	16,000
Chambers				
See scope above				
Suspended slab under seating				
Concrete walls under suspended slab				
Library				
See scope above				
Grout at seismic joint				
Wetland bridge				
Abutment wall footing				
Add to form abutment structure				
Add to form abutment seat				
Foam fill in abutment structure				
5" slab above foam fill				
2" grout between steel and concrete abutment				
Deck bridge				
Abutment seat				
Add to form abutment structure				
Add to form abutment seat				
Bird blind Bridge				
Abutment structure				
Add to form abutment structure				
Add to form abutment seat				
Foam fill in abutment structure				
5" Slab above foam infill				

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* Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
	2" grout between steel and concrete abutment			
	10 x 10 bridge mockup	1.0 lsum	37,105.08	37,105
				4,280,568
*	<u>Alternates</u>			
	Grand Total Cast-in-place Concrete			4,280,568
* 03 37 13	39 Shotcrete			
	Mass Ex.			
*	<u>Alternates</u>			
	Grand Total Shotcrete			
* 03 82 16	40 Garage			
	Garage - design built		Phase II	
*	<u>Alternates</u>			
	Grand Total Garage			
* 04 22 23	41 Mortar-Set Precast Concrete Units			
	Phase III			
	Community room			
	Supply and install cast stone stair treads			
	Cast stone landing			
	Library			
	32 14 13.15 Mortar-Set Stone Pavers			
	32 14 3.16 Mortar-set Precast Concrete Unit Slab Pavers		with stone	
	Cobblestone paving area: cobblestone pavers over mortar setting bed			
	Basalt stone paving.			
	Paver retention plate at stone bench at civic green			
	Stone pavers at Library plaza			
	Sealer			
	Geotech barrier			
	32 14 00 20-0 x 10-0 cobblestone mockup			
	20-0 x 10-0 stone mockup			

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* Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
	Cast stone treads, risers, and landings on setting bed on 3/16" metal pans (bottom 18 treads and risers on (E) concrete stepped slab, not metal pan) per R6.01 767 sqft			
	South Park			
	Monumental stairs - precast concrete with anchor pins, stone inlay, sealant & backer rod, and expansion joint fill material at each tread, over mortar setting bed with mesh fabric reinforcement and drain mat all over concrete sub slab and compacted subgra			
	Monumental stair mockup per 04 22 23			
*	<u>Alternates</u>			
Grand Total Mortar-Set Precast Con				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Grand Total Site Concrete Unit Mas				1,236,938
* 04 42 00	43 Exterior Stone Cladding and Paving				
	04 42 13 Site Stone Veneer Walls				
	Phase III				
	Community room				
	Subcontractor proposal	1.0	lsum	3,603,490.00	3,603,490
	Stone veneer				
	Stone veneer at stair F				
	Stone to be sealed				
	Stone coping at the stone wall				
	8-0 long wall end mockup per 04 42 13				
	Independent testing for hollow stones	1.0	lsum	12,000.00	12,000
	Protect with lumber until final completion	1.0	lsum	7,500.00	7,500
	Stone tile 1 in elevators	96.0	sqft	38.82	3,727
	Chambers				
	Stone veneer Rouoms				
	Stone veneer coping				
	Site wall				
	Add for one mock up per specs				
	Add for anchor testing				
	Flexural strength test (3)				
	Add for structural stone calculations				
	Add for samples per specification: -attic stock				
	(6) 24" x 48" x 2"				
	(3) 12" x 36" x 36"				
	Stone to be sealed				
	Add for scaffolding				
	Stone coping at the stone wall				
	Library				
	Cast stone treads, risers, and landings on setting bed on 3/16" metal pans (bottom 18 treads and risers on (E) concrete stepped slab, not metal pan)				
	South Park				
	French limestone seat wall veneer (bench) over 2" mortar type M of 1' thick concrete sub slab with drain base of subgrade soil				
	Stone veneer at Sign Wall 1				
	Stone veneer at Sign Wall 2				
	Cap stones at sign walls				
	Stone to be sealed				
	Stone veneer at Council Chambers wall				
	Supply and install cast stone stair treads				
	Cast stone landing				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
					3,626,717
	<i>Alternates</i>				
	Grand Total Exterior Stone Cladding				3,626,717
* 09 30 33	44 Stone Tiling				
	Phase III			with stone	
	Tile 1 - Stone pattern 1 - 12" x 30" x 3/4" -				
	AG&M Chinese Basalt				
	Tile 1 - Stone pattern 2 - 4" x 12" x 19/32" -				
	AG&M Chinese Basalt				
	Tile 1 - Stone pattern 2 - 4" x 12" x 19/32" -				
	AG&M Chinese Basalt stairs @ Phase III stairs				
	Anti fracture membrane				
	Prepare substrate				
	Mockup of stone floor tile				
	Library				
	Tile 1 - Stone pattern 2 - 4" x 12" x 19/32" -				
	AG&M Chinese Basalt				
	Tile 1 - Stone pattern 2 - 4" x 12" x 19/32" -				
	AG&M Chinese Basalt stairs @ library stairs				
	Anti fracture membrane				
	<i>Alternates</i>				
	Grand Total Stone Tiling				
* 05 12 00	45 Structural Steel				
	05 12 50	Buckling Restrained Braces			
	05 51 00	Metal Stairs			
	Subcontractor proposal	1.0	lsum	8,142,731	8,142,731
	Extra time for crane	1.0	lsum	27,000.00	27,000
	Phase III				
	Shop drawings/ calculations/ coordination ,	1.0	lsum	69,952.20	69,952
	BIM				
	Buckling restrained braces (BRB)				
	Field Detailing of AESS	1,200.0	mnhr	87.00	104,400
	BRB Connections				
	Columns - tapered				
	Brace frames				
	Column anchor bolts and templates for them				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Curved roof				
	Verendeel trusses				
	Added cost for roof architectural exposed structural Steel (AESS)				
	Stairs				
	Stairs 2B, 2C, 2D, 2E				
	SS Handrail & Cable Rail System				
	Grate Landing				
	Stairs 2B, 2C, 2D, 2E				
	SS Handrail				
	SS Guardrail:				
	Handrail				
	Trellis				
	Canopies with outriggers				
	Survey of column anchor bolts	1.0	lsum	5,969.25	5,969
	Reinforcing plates at pipe penetrations at beam web- quantity assumed- assume field,shore , lift	50.0	each	1,250.00	62,500
	Safety rails- install/ remove	32.0	mnhr	67.00	2,144
	Mockup of AESS assemblies				
	Community room				
	Same scope as above				
	Brace frames				
	Bridge				
	Low roof collector line				
	Curved roof				
	Verendeel trusses				
	Added cost for roof AESS				
	Stair F				
	SS Guardrail				
	1.5" SS Handrail @ Stair F & Bridge				
	Add for Metal Pan for Cast Stone @ Stair F				
	Add for risers				
	Chambers				
	Buckling restrained braces				
	Columns				
	Roof				
	Added cost for roof AESS				
	Low wall support				
	Library				
	MF (Moment Frames)				
	MF Connections				
	1.5" SS Handrail @ Stair in Library				
	Patent fees for the connection				
	Central Park				
	wetland bridge				
	deck bridge				

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05 30 00		46 Metal Decking		
	Subcontractor proposal	1.0 lsum	580,956.00	580,956
Phase III				
	Metal decking			
	Edge forms		included	
	Support angles at columns		included	
	Deformed bar angles		included	
	Hoisting	lsum	included with stru steel	
	add for additional openings	20.0 each	375.00	7,500
				588,456
<u>Alternates</u>				
Grand Total Metal Decking				588,456

*	05 50 00	47 Metal Fabrications			
		Subcontractor proposal	1.0	Isun	2,110,348 2,110,348
	05 53 00	Metal Gratings			
	05 60 00	Site Metal Fabrications			
		Mass Ex			
		Fencing at the retaining wall		with fencing	
		galvanized site rails			
		Phase III			
		Aluminum/Steel Angle Guardrail System @			
		Balcony Fronts			
		SS Cable Rail System & Cut C-Channel @			
		Balcony Sides			
		Galvanized Metal Grating @ Mechanical Well			
		Galvanized Metal Grating @ Mechanical Well			

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Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	MEP Screens at the roof supports only - louvers are separately				
	Railings at the stairs on the south side				
	Ramps railings				
	Ramps metal plates				
	Elevator pit ladders				
	Roof access ladders- ship ladder				
	Elevator sump pit and grate				
	Nosings				
	Fall arrest safety anchors per 2/A5.20 - 055000				
	Support for coiling grills				
	Sst bar embedded nosing strip				
	Misc supports, angles (at skylights, elevators, countertops)				
	Stainless steel wall panels at elevators				
	Self Serve kiosk				
	Prefin 2"x8" AL trellis @10" o.c. w/ end caps				
	Mockups for each form and finish of decorative metal railing				
	Community room				
	Misc supports				
	Handrail @ building Exterior				
	12" Cut Channel @ Bridge w/ HP coating welded to SS shoe for glass guardrail support				
	Chambers				
	Bullet Protective plate				
	Handrails at ramps				
	Misc support for stone				
	Misc supports				
	Recessed alum grating at conference at Zink wall				
	Floor grating with supports				
	Prefin 2"x8" AL trellis @10" o.c. w/ end caps				
	Library				
	Stair				
	Misc supports				
	Aluminum Grating w/ Removable Section for Access				
	Add for Metal Pan for Cast Stone @ Library Stairs				
	Add for 12 risers				
	Metal guardrail at line N1				
	Support for coiling grills				
	Steel Plates @ CW & Floor Slab - (1) 1" & (1) 8" steel plate at the intersection of the curtain wall and floor slab; welded and painted 20 ga. closure panel between vertical mullions				
	additional support for misc equipment	1.0	lsum	16,800.00	16,800
	South Park				
	Trench drains covers				
	Trench drain type B				

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* Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
	Trench drain at north of parking garage, south of Chambers, & library plaza			
	Trench drain and grate at precast concrete stair at entry court			
	4" trench drain at south of Chambers - no details just shown on legend			
	1 1/4" x 1 1/4" with 1/8" radius, solid square carbon steel bar handrail, painted			
	Bollards	20.0 each	225.00	4,500
	Central Park			
	1 1/4" x 1 1/4" with 1/8" radius, solid square carbon steel bar handrail, painted			
wetland bridge	3'-6" High guardrail with 1" square steel picket at 5" o.c. and 4" x 3" steel tabs welded to bridge beam			
deck bridge	3'-6" high guardrail			
Birdblind Bridge	8' High guardrail with 1" square steel picket at 5" o.c. and 4" x 3" steel tabs welded to bridge beam			
	North Park			
	1 1/4" x 1 1/4" with 1/8" radius, solid square carbon steel bar handrail, painted			
				2,131,648
*	<u>Alternates</u>			
	Grand Total Metal Fabrications			2,131,648
* 05 73 00	48 Decorative Metal and Glass Railings			
	With misc metals			
*	<u>Alternates</u>			
	Grand Total Decorative Metal and G			
* 07 95 00	63 Expansion Control			
	Phase III			
	Expansion joint cover at the bridge	8.0 Inft	145.99	1,168
	Community room			
	Library			
	Expansion joint cover horizontal	264.0 Inft	134.84	35,597
	Expansion joint cover at the roof	132.0 Inft	134.84	17,798
	Expansion joint cover vertical	128.0 Inft	65.90	8,435

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* Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
				62,998
Alternates				
Grand Total Expansion Control				62,998
* 06 10 00	50 Rough Carpentry			
	Subcontractor proposal	1.0 lsum	663,607.00	663,607
	06 15 00 Wood Decking			
	06 15 35 Site Carpentry			
	06 16 00 Sheathing			
	all wood to be fire treated			
	FSC certified			
	Phase III			
	Wood nailers as required at all roof edge and gutter conditions			
	Misc plywood / blocking			
	Fire-treated wood blocking at top of metal stud parapets			
	Framing and blocking for mirror attachment			
	Rooftop equipment bases and support curbs			
	IPE decking at the balconies			
	3/4" MDF soffit			
	Store/ prep IPE wood	1.0 lsum	10,000.00	10,000
	Community room			
	Wood nailers as required at all roof edge and gutter conditions			
	Misc plywood / blocking			
	Chambers			
	Wood nailers as required at all roof edge and gutter conditions			
	Misc plywood / blocking			
	Platform at dais			
	Library			
	Wood nailers as required at all roof edge and gutter conditions			
	Misc plywood / blocking			
	wetland bridge 1 1/2" IPE decking			
	wetland bridge 4x4 " TimberSil " nailers attached to steel I beams with 5/8 welded and threaded studs at 24" on center			
	wetland bridge 5/4 x 6 FSC certified IPE attached to nailers with stainless steel screws per specs.			
	deck bridge 1 1/2" IPE decking			
	deck bridge 4x4 " TimberSil " nailers attached to steel I beams with 5/8 welded and threaded studs at 24" on center			

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06 40 23	5 Interior Architectural Woodwork	Interior Architectural Woodwork	06 64 00	Plastic Paneling	Phase III	Subcontractor proposal	1.0 lsum	1,963,550.00	1,963,550
Architectural Woodwork	Plastic Laminate	Cabinets / Casework	Countertops	Metal Supports for open area tables	Corian / Solid Surfaces	SS Poles at millwork	Open wall cabinets	Brochure holders	Wood Paneling
Wood Railings	Wood Wall Tile	Marker boards on Doors at Command Center	Fabric wall panels	Privacy Panels	Aluminum Framing	structural support for panels	structural support for panels	Fastening / anchors / support	Compliance with trade associations
WI - Woodwork Institute	FSC - Forest Stewardship Council	LEED							

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* Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
	Grand Total Interior Architectural V			1,984,450
* 01 41 00	52 Mock up			
	Phase III			
	Misc. Mock ups, including for the roof structure	1.0 loc	75,000.00	75,000
				75,000
*	<u>Alternates</u>			
	Grand Total Mock up			75,000
* 07 11 16	53 Water proofing Site Damp proofing/			
	07 11 16 Damproofing			
	07 13 26 Self Adhering Sheet Waterproofing			
	07 13 27 Pre-applied Sheet Waterproofing			
	07 13 55 Thermoplastic Sheet WP with Active Polymer Core			
	07 17 00 Bentonite Geotextile WP			
	07 19 23 Site Water and Graffiti Repellents			
	Phase III			
	Subcontractor proposal	1.0 lsum	881,373.00	881,373
	Under slab waterproofing			
	Waterproofing at basement walls			
	Waterproofing at trenches			
	Elevator pits			
	Waterproofing at 18" " pods steps			
	Drain pipe with gravel			
	Water stop			
	VE Under slab insulation 1"		not included	
	Community room			
	Under slab waterproofing			
	Retaining wall along 22 line per Z/A4.05 with insulation			
	Drain pipe with gravel			
	Water stop			
	Under slab insulation 2"			
	Chambers			
	Under slab waterproofing			
	VE Under slab insulation 1"		not included	

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* Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
	Insulation at airway section 13 a5.01	3,000.0 sqft	3.44	10,320
	Community room			
	R-19 (FS-25) foiled faced fiberglass batts at exterior wall framing			
	R-11 unfaced fiberglass batts at interior acoustical partitions			
	3" Foiled faced curtain wall insulation at curtain wall			
	2" Black-faced insulation			
	Chambers			
	R-19 (FS-25) foiled faced fiberglass batts at exterior wall framing			
	R-11 unfaced fiberglass batts at interior acoustical partitions			
	3" Foiled faced curtain wall insulation at curtain wall			
	2" Black-faced insulation			
	Library			
	R-19 (FS-25) foiled faced fiberglass batts at exterior wall framing			
	R-11 unfaced fiberglass batts at interior acoustical partitions			
	3" Foiled faced curtain wall insulation at curtain wall			
	2" Black-faced insulation			
				271,086
* Alternates				
	Grand Total Thermal Insulation			271,086
* 55 Fireproofing				
	Phase III			
			with drywall	
* Alternates				
	Grand Total Fireproofing			
* 07 84 13 56 Penetration Firestopping				

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Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
07 84 46	Fire-resistive Joint Systems				
	Phase III				
	Fire stopping and safing	120,484.0	sqft	0.30	36,145
	Safing with smoke seal at perimeter floor slab as indicated		incl		
	Safing with smoke seal at head of rated gypsum board wall assemblies		incl		
07 84 46	Mockup for each fire resistive joint condition	1.0	allw	2,444.00	2,444
					38,589
	Alternates				
	Grand Total Penetration Firestoppin				38,589
07 42 13	57 Architectural Metal Flatlock Panels				
07 31 16	Architectural Metal Shingles		with sheet metl		
07 42 13	Architectural Metal Flat Lock Plate Panels				
	Alternates				
	Grand Total Architectural Metal Flat				
07 42 16, 07 42 19	58 Architectural Metal Panels				
07 42 19	Architectural Metal Plate Panels		with curtain wall		
	Phase III				
	Exterior metal soffit 07 42 19A				
	Metal panel wall system				
	Mockup				
	Mockup for each form of construction				
	Construction water-spray test mockup of metal faced composite wall panel assembly, include typical wall and corner panel				
	Alternates				
	Grand Total Architectural Metal Pan				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
* 07 27 06	59 Concrete Sealer				
	Phase III				
	Concrete seal per finish schedule	7,806.0	sqft	2.99	23,340
	Seal concrete for access floor applications	71,005.0	sqft	1.21	85,916
	Seal pad concrete at generators	100.0	sqft	4.02	402
	Community room				
	Concrete seal/ treatment at mechanical rooms	2,552.0	sqft	2.99	7,630
	Chambers				
	Concrete seal	691.0	sqft	2.99	2,066
	Library				
	Concrete seal	1,560.0	sqft	2.99	4,664
					124,019
	<u>Alternates</u>				
	Grand Total Concrete Sealer				124,019
* 07 54 19	60 Polyvinyl-chloride (PVC) Roofing				
	Phase III				
	Subcontractor proposal	1.0	lsum	1,281,160.00	1,281,160
	VE Use Poly iso insulation in lieu of Rigid Polystyrene			in above	
	VE Use Anchors in lieu of adhesive			in above	
	Roof				
	Roof walkway allowance				
	Temp roof			N/A	
	Chambers				
	Roofing membrane over 6" non rigid insulation over sloped deck				
	Temp roof	6,000.0	sqft	1.27	7,620
	Library -temp roof	7,500.0	sqft	1.27	9,525
					1,298,305
	<u>Alternates</u>				
	Grand Total Polyvinyl-chloride (PVC)				1,298,305
* 07 62 00	61 Sheet Metal Flashing and Trim				
	Subcontractor proposal	1.0	lsum	1,173,627.00	1,173,627
	Phase III				
	Sill flashing at clerestory windows				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Soffit panels 1/A5.02				
	Prefin metal flashing @ trans to metal roof				
	Prefinished metal drip edge at metal roof				
	Prefinished metal soffit at metal roof edge				
	Prefin metal flashing at roof transition from 2A to 1A				
	Flashing at mechanical penthouse perimeter				
	Flashing trim piece at metal shingle & curtain wall				
	Prefinished zinc coping				
	Metal pan				
	Stainless steel custom gutter				
	Mechanical pad covers				
	Misc flashing				
	Mockup of 10-0 long roof eave, built-in gutter, fascia, fascia trim, apron flashing, including supporting construction cleats, seams, attachments, underlayment, and accessories				
	Community room				
	Sill flashing at clerestory windows				
	Misc flashing				
	Prefin metal flashing @ trans to metal roof				
	Prefinished metal drip edge at metal roof				
	Prefinished metal soffit at metal roof edge				
	Prefin metal flashing at roof transition from 2A to 1A				
	Flashing at mechanical penthouse perimeter				
	Stainless steel custom gutter 8 a5.22				
	Mechanical pad covers				
	Chambers				
	Misc flashing				
	Library				
	Zinc shingles				
	Misc flashing				
	SS flashing at Cafe & Credit Union roofs				
	Stepped flashing at membrane roof & curtain wall				
	SS flashing and fascia at high roof				
					1,173,627
#	Alternates				
	Grand Total Sheet Metal Flashing an				1,173,627

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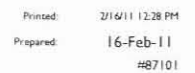
* 08 11 13	66 Hollow Metal Doors and Frames			
	08 71 00	Door Hardware		
		Subcontractor proposal	1.0 lsum	607,170.00 607,170
		Phase III		
		Exterior single leaf doors cst42		
		Single door assemblies, non rated.		
		Single door assemblies, STC 43.		
		Paired door assemblies, non rated.		
		Single door assemblies, STC 43 w/electric hardware.		
		Paired door assemblies, STC 43.		
		Paired door assemblies, non rated w/electric hardware.		
		Paired door assemblies, STC 50.		
		Single door assemblies, STC 37.		
		Single door assemblies, 60 min. rated, STC 50.		
		Single door assemblies, 60 min. rated, STC 43.		
		Assume additional Fire rated Single door assemblies, 60 min. rated.		
		Assume additional fire rated paired assembly, 90 min. rated.		
		Single door assemblies, 60 min. rated.		
		Paired assembly, 90 min. rated.		
		Closet/storage double doors - marker board applied to full door 8' height		
		Closet/storage double doors 8' height - metal cages		
		Closet/storage double doors - storage only 8' height		
		Closet/storage double doors 8' height - not on schedule		
		Single door assembly, STC 43 w/auto closer and electronic hardware		
		Single assemblies, frameless, w/pivots, non rated.		
		Paired assemblies, frameless, w/pivots, non rated.		
		Single door assemblies, non rated, w/side lights		
		Door mockup		

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Card entry - All Phase III perimeter doors Interior at critical areas, HR, HR files room, several in basement One outside and inside elevator that goes to basement-				
	Community room				
	Exterior double doors				
	Exterior single leaf doors				
	Single door assemblies, STC 37				
	Single door assemblies, non rated.				
	Paired door assemblies, non rated.				
	Card entry - allow				
	Knox box	3.0	each	375.00	1,125
	Chambers				
	Bi folding pair, non rated.				
	Single door assemblies, non rated.				
	Card entry				
	Library				
	Single door assemblies, non rated.				
	Single door assemblies, STC 43.				
	Paired door assemblies, STC 43.				
	Single door assemblies, STC 50 w/vision lite.				
	Card entry				
					608,295
	Alternates				
	Grand Total Hollow Metal Doors and				608,295
* 08 34 73	67 Sound Control Door Assemblies				
	as applicable 08 71 00				
	Door Hardware				
	With doors				
	Alternates				
	Grand Total Sound Control Door As				
* 08 31 13	74 Access Doors & Frames				
	Phase III				
	access doors- with glass insert and lighting per HVAC	1.0	lsum	26,764	26,764
	Community room				



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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
<u>Alternates</u>					
Grand Total Smoke Guards					
* 08 41 13	71 Aluminum-framed Entrances and Storefronts/ Glazed Aluminum Curtain Walls				
	as applicable 08 80 00 Glazing				
	as applicable 08 71 00 Door Hardware				
	08 44 13 Glazed Aluminum Curtain Walls				
	Phase III				
	Subcontractor proposal	1.0	Isum	6,839,000.00	6,839,000
	Add for Shuco windows	1.0	Isum	344,000.00	344,000
	Add for Shuco system	1.0	Isum	112,000.00	112,000
	Exterior 1" clear low-E insulated glazing unit, butt glazed,				
	Exterior 1" clear low-E insulated glazing unit fully tempered,				
	1" Spandrel pattern 1 Insulated glazing unit				
	Operable motorized awning aluminum windows -				
	W06A - exterior Phase III south elevation				
	Exterior small operable casement wndw-@1" clear Low-E insulated glazing unit				
	Exterior aluminum operable casement window				
	Exterior W09 fixed window sliver at stone wall				
	Exterior insulated aluminum closure, glazed alum curtain wall, with 18" deep extruded alum CW end caps at east side of each operable window				
	Extruded aluminum fins supported by & to match CW mullions				
	Add for 10" extruded aluminum mullion cap at vertical mullions				
	Add for 18" extruded aluminum cap at each operable clearstory window				
	10"x3.25" Aluminum channel & prefinished aluminum 0.062 liner panel				
	Alum storefront doors/ leafs with electrified panic hardware				
	All glass doors - 1/2" clear tempered glazing top and bottom full rail - floor mounted auto operators and panic hardware				
	Glazing above stairs				
	Additional testing on site				
	Interior 1" clear low-E insulated glazing unit				
	Interior glazing in sidelights 3/8" tempered glazing				

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Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Interior 1/2" laminated glass fin at all stair ramps				
	Interior glass guardrail				
	Glass guardrail at bridge				
	Architectural Metal Shelf for Projector (A7.05)				
	Mock up				
	Mockup for each form of construction for sliding aluminum-framed glass doors				
	Mockup for each form of construction and finish for aluminum-framed entrances and storefronts				
	Mockup for each form of construction and finish for glazed aluminum curtain walls				
	Mockup for each form of construction and finish for sloped glazing assemblies				
	Mockup for each form of construction and finish for aluminum windows				
	Site water testing	1.0	each	15,000.00	15,000
	Add for acoustical requirements				
	Community room				
	Exterior 1" clear low-E insulated glazing unit, butt glazed				
	Exterior insulated aluminum closure, glazed alum curtain wall, with 18" deep extruded alum CW end caps at east side of each operable window				
	Operable motorized awning aluminum window				
	Exterior glazed aluminum curtain walls at north entrance with 1 set of entrance doors 5'-0" x 10'-0" each leaf. Panic hardware and power assisted, swings 180 degrees				
	Extruded AL Fins supported by & to match CW mullions				
	Add for 6 single doors; 6 double doors;				
	Add for acoustical requirements STC 35-per sketch				
	Add for 10" extruded AL mullion cap at vertical mullions				
	Add for 18" extruded AL cap at each operable clearstory window				
	Prefinished alum perimeter channel				
	Testing				
	Chambers				
	Type II curtain wall framing system, butt glazed				
	Add for acoustical requirements at glazed curtain wall STC40				
	Interior 1/2" laminated glass w/ 1 1/2" x 1 1/2" alum extruded channels installed flush with fabric wall panels and floor				

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* Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
	Interior type II curtain wall framing system, butt glazed at vestibule w/ 1 set of double doors			
	Alum bi-fold doors w/ glass panels STC 40		owner allowance	
	Nana wall			
	Door leaves			
	Testing			
	Library			
	Exterior 1" clear low-E insulated glazing unit, butt glazed with 1 set of double doors			
	Exterior 1" clear low-E insulated glazing unit fully tempered, with 1 set of aluminum sliding entrance doors, 1 set of double doors			
	Exterior 1" spandrel pattern insulating glazing unit			
	Extruded horizontal aluminum fins			
	Extruded vertical alum fins supported by vertical CW mullion			
	Extruded CW W/10" alum fins at vertical mullion caps above 9' AFF			
	Operable motorized awning aluminum window - A - 1" clear low-E insulated glass			
	Interior 3/8" tempered storefront glazing w/ 4 single leaf glass doors			
	Interior glass guardrail above stairs			
	Automatic sliding doors			
	Door leaves			
	Add for 10" extruded AL mullion cap at vertical mullions			
	Add for 10"x3.25" AL channel & prefinished liner panel			
	Add for acoustical requirements			
	Testing			
				7,310,000
	Alternates			
	Grand Total Aluminum-framed Entr			7,310,000
08 51 13	72 Aluminum Windows			
	as applicable 08 80 00	with Alum curtain wall		
	Alternates			
	Grand Total Aluminum Windows			

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
* 09 29 00	73 Gypsum Board				
	54000 Cold formed metal framing				
	61600 Sheathing (at cold formed metal framing).				
	not in specs 72500 Weather barrier (at plaster).				
	92117 Gypsum shaft wall assemblies				
	92216 Non-structural metal framing				
	92350 Acoustical plaster ceilings				
	92400 Portland cement plaster				
	92900 Gypsum board				
	Subcontractor proposal	1.0	lsum	2,627,000.00	2,627,000
	Phase III				
	Wall 1 hour				
	Wall 1 shaft 180& 168				
	Wall Drywall only extra				
	Wall NR				
	Wall not rated, full height A4c, A4d				
	Wall not rated, full height dwx3 A4f				
	Wall not rated, full height dwx4 A4h				
	Wall chase				
	Wall chase A4a, C4				
	Wall studs only A4m stretch wall				
	HM frames install				
	Gypboard ceilings				
	Resiliently suspended ceiling per A8.31- 5/8" plywood between 2 layers of 5/8" gyp with 2" acoustical treatment				
	Gyp & insulated builder's plenum above finish ceiling				
	Gypboard at ceiling at stretched fabric				
	Gypboard soffit break				
	Exterior curb sill window 4/A5.11 3' int				
	Exterior curb jamb window 4/A5.11 exterior & interior				
	Exterior wall zinc exterior & interior				
	Fire proofing separation 1 hour A to B				
	Wall furring at perimeter				
	Plywood at panels				
	Membrane at panels				
	Misc dens shield				
	Misc backing				
	Frame VAC units -double GB layer				
	Frame mechanical doghouse				
	Sound isolated ceiling hangers				
	Double layer of vapor barrier	120,484.0	sqft	0.75	90,363
	Mockup of 100 sqft for each type of finish				
	Mockup of 100 sqft for each level of gyp bd finish				

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* Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
	Mockup smoke damper installation complete with wall framing, wallboard, wall opening filler pieces, perimeter mounting angles, sleeve, breakaway duct connections, and duct smoke detector access door	40.0 mhr	65.00	2,600
	Community room			
	Wall 1 shaft			
	Wall not rated, full height A4c, A4d			
	Wall chase A4a, C4			
	Wall furring at perimeter			
	Wall studs only A4m stretch wall			
	HM frames install			
	Gypboard ceilings			
	Gypboard soffit cove			
	Framing of exterior wall for stone exterior only 2hr wall			
	Framing for exterior wall framing at zinc shingles.			
	Includes fire-treated plywood at zinc wall panel assemblies			
	Membrane at panels			
	Exterior curb sill window interior			
	Exterior curb jamb window exterior & interior			
	Misc dens shield			
	Misc backing			
	Chambers			
	Wall 1 hour			
	Wall not rated, full height dwx3 A4f			
	Wall not rated, full height dwx4 A4h			
	Wall chase A4a, C4			
	Wall furring at perimeter			
	Gypboard ceilings			
	Gypboard soffit break			
	Gypboard soffit cove			
	Wall furring at window head interior			
	Exterior wall stone exterior only			
	Exterior wall framing at zinc shingles.			
	Includes fire-treated plywood at zinc wall panel assemblies (2/A5.02 and 5.11/A5.21))			
	Membrane at panels			
	Misc dens shield			
	Protective wrap			
	Library			
	Wall chase			
	Wall 1 shaft			
	Wall not rated, full height A4c, A4d			
	Wall not rated, full height dwx4 A4h			

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Ceramic tile flooring (CT)				
	Ceramic tile flooring (CT 2)				
	Ceramic tile walls				
	Ceramic tile base				
	Crack protection membrane	1,936.0	sqft	1.01	1,963
	Mockup of floor and wall tile	1.0	allw	650.00	650
	Acoustic mat	696.0	sqft	2.00	1,392
	Community room				
	Ceramic tile flooring				
	Ceramic tile walls				
	Ceramic tile base				
	Crack protection membrane	813.0	sqft	1.01	824
	Chambers				
	Ceramic tile flooring				
	Ceramic tile walls				
	Ceramic tile base				
	Crack protection membrane	111.0	sqft	1.01	113
	Library				
	Ceramic tile flooring				
	Ceramic tile flooring (Tile 1)				
	Ceramic tile walls				
	Ceramic tile base				
	Crack protection membrane	3,387.0	sqft	1.01	3,434
	Acoustic mat	3,387.0	sqft	2.00	6,774
	Undefined floor finish per clarification 10, assuming tile	937.0	sqft	18.25	17,100
	Undefined base per clarification 10, assuming tile	248.0	lnft	22.00	5,456
					219,340
	Alternates				
	Grand Total Ceramic Tiling				219,340

* 09 51 13	76 Acoustical Panel Ceilings and Wood ceilings				
	Subcontractor Proposal	1.0	lsum	2,180,000.00	2,180,000
09 54 26	Linear Wood Ceilings				
09 54 30	Tile Wood Ceilings				
	Phase III				
	Acoustical panels for acoustical panel ceiling - ACP I				
	Interior linear wood ceiling by 9 wood with acoustic backing				
	Exterior linear wood ceiling by 9 wood				
	Protective mesh at Exterior linear wood ceiling by 9 wood				

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Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	4-ft-by-4-ft Mock-up of the sound absorptive finish system replicating relative details and conditions				
	Suspended acoustical at stairs				
	Ceiling in basement -				
	Mockup linear wood ceiling assembly and anchorage system				
	Treatment of the line between ceiling and the vertical wood	875.0	lnft	35.00	30,625
	Community room				
	Acoustical panels for acoustical panel ceiling - ACP I - washable in kitchen				
	Interior linear wood ceiling by 9 wood with acoustic backing				
	Exterior linear wood ceiling by 9 wood				
	Protective mesh at Exterior linear wood ceiling by 9 wood				
	Metal detail at wood ceilings	1.0	Isum	12,555.00	12,555
	Chambers				
	Acoustical ceiling tile type 2 with recessed fluorescent fixtures				
	Sloped wood ceiling w/ recessed light troughs				
	Acoustic backing at sloped wood ceiling				
	Interior linear wood ceiling by 9 wood with acoustic backing				
	Acoustic backing at linear wood ceiling				
	Metal panel ceiling on 3-5/8" studs with insulation at vestibule	175.0	sfft	22.00	3,850
	Library				
	Acoustical panels for acoustical panel ceiling - ACP I				
	ACP 2				
	Café ceiling	632.0	sfft	27.00	17,064
	Metal panel ceiling on 3-5/8" studs with insulation per 2/R5.05	441.0	sfft	22.00	9,702
					2,253,796
	Alternates				
	Grand Total Acoustical Panel Ceiling				2,253,796

* 09 54 43	77 Stretched Fabric Ceiling Systems			
	09 54 40	Stretched PVC Ceiling Systems		
	09 77 13	Stretched Fabric Wall Systems		
		Phase III		
		Stretched fabric ceiling	3.300.0 sqft	25.31 83.516
		Stretched fabric wall panel	9.927.0 sqft	15.00 148.905

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Vinyl ceiling	2,400.0	sqft	42.00	100,800
	Mockup of 3'-0" x 3'-0" assembled ceiling system	1.0	allw	2,000.00	2,000
	Wall mockup of typical wall area, including intersection of wall and ceiling, corners, and perimeters	1.0		2,500.00	2,500
	Community room				
	Fabric wall panels	603.0	sqft	18.00	10,854
	Tackable fabric panels	1,934.0	sqft	7.00	13,538
	Fabric panel on operable wall assembly 097723			with owner allowance	
	Chambers				
	Stretched fabric wall (FAB)	2,642.0	sqft	18.00	47,556
	Library				
	sqft Stretched fabric wall (FAB)		sqft		
					409,669
*	Alternates				
	Grand Total Stretched Fabric Ceiling				409,669

* 09 65 19	78 Flooring				
09 65 13	Resilient Base and Accessories				
09 65 36	With access floor				
09 65 16	Resilient Sheet Flooring				
09 65 19	Resilient Tile Flooring				
09 68 13	Tile Carpeting				
09 68 16	Sheet Carpeting				
	Subcontractor Proposal	1.0	lsun	326,425.00	326,425
	Phase III				
	CPT type 1 - carpet tile w/ attic stock and mock up				
	Attic stock and mock up				
	Rubber sheet flooring type 2 w attic stock and mock up				
	Rubber floor tiles type 1 w attic stock and mock up				
	Moisture test and remediation	49,831.0	sqft	0.35	17,441
	Mockup 100 sq. ft. for each type, color and pattern of resilient sheet flooring	100.0	sqft	5.07	507
	Mockup 100 sq. ft. for each type, color and pattern of resilient tile flooring	100.0	sqft	5.07	507
	Tile carpet mockup	100.0	sqft	5.07	507
	Sheet carpet mockup	100.0	sqft	5.07	507
	Resilient base		lnft	1.00	

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Static-control resilient flooring (SDT) over raised access floor		sqft	with access floor	
	Minor floor prep		sqft	included	
	Floor protect with tuff guard	120,484.0	sqft	0.10	12,048
	Attic stock and mock up				
	Community room				
	Base			with brick	
	Reveal base	655.0	lnft	2.00	1,310
	Chambers				
	CPT type 2 - carpet tile w attic stock and mock up				
	Moisture test and remediation				
	Resilient base				
	Minor floor prep				
	Library				
	CPT type 4 - sheet carpet w attic stock and mock up				
	Moisture test and remediation				
	Resilient base				
	Reveal Base				
	TBD base at casework				
	Minor floor prep	17,599.0	sqft	1.00	17,599
					376,851
	<u>Alternates</u>				
	Grand Total Flooring				376,851
* 09 66 23	79 Resinous Matrix Terrazzo Flooring				
	Café floor	600.0	sqft	22.00	13,200
					13,200
	<u>Alternates</u>				
	Grand Total Resinous Matrix Terraz:				13,200
* 09 69 00	80 Access Floor				
	Phase III				
	Subcontractor proposal	1.0	lsum	1,012,118.00	1,012,118
	Bare finish access floor				

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* 10 21 13	82 Toilet Compartments	
	10 28 00	Toilet, Bath, and Laundry Accessories
	08 83 00	Mirrors

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Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Combination towel dispenser/waste receptacle - folded towels B-38034 trimline series recessed paper towel dispenser and waste receptacle				
	Urinal screen				
	Toilet partition				
	Toilet partition HC				
	Mirror - backlit 2' - 4" x 4' - 5" 102800H				
	Mirror - backlit 2' - 4" x 4' - 10" 102800H				
	Shower curtain rod				
	Shower curtain				
	Folding shower seat				
	Soap dish				
	Towel pin				
	Utility shelf				
	Mop and broom holder				
	Paper towel dispenser: folded towels				
	Towel holders				
	Under lavatory Guards				
	Sanitary napkin vendor				
	Warm air dryers				
	add for bulletin 1 for sandblasted mirrors	1.0	1sum	7,500.00	7,500
	Community room				
	Grab bar				
	Toilet tissue dispenser B-2840 surface mounted toilet dispenser and utility shelf				
	Liquid soap dispenser				
	Vendor: sanitary napkin				
	Sanitary napkin disposal unit				
	Toilet seat cover dispenser				
	Combination towel dispenser/waste receptacle - folded towels B-38034 trimline series recessed paper towel dispenser and waste receptacle				
	Warm air dryers				
	Diaper changing station baby changing station - KB 110 - SSRE horizontal recessed stainless steel baby changing station				
	Mirror - backlit 2' - 4" x 5' 102800H				
	Urinal screen				
	Toilet partition				
	Toilet partition HC				
	Paper towel dispenser: folded towels				
	Multipurpose soap/towel dispenser unit				
	Under lavatory Guards				
	Chambers				
	Grab bar				
	Toilet tissue dispenser B-2840 surface mounted toilet dispenser and utility shelf				

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Budget#	Description/Scope of Work	Quantity Unit	Cost/Unit	Total
	Liquid soap dispenser			
	Vendor: sanitary napkin			
	Sanitary napkin disposal unit			
	Toilet seat cover dispenser			
	Combination towel dispenser/Waste receptacle - folded towels B-38034 trimline series recessed paper towel dispenser and waste receptacle			
	Mirror 2' x 3' mirror 102800H			
	Under lavatory Guards			
	Library	1.0 lsum	14,446.65	14,447
	Grab bar			
	Toilet tissue dispenser B-2840 surface mounted toilet dispenser and utility shelf			
	Liquid soap dispenser			
	Vendor: sanitary napkin			
	Sanitary napkin disposal unit			
	Toilet seat cover dispenser			
	Combination towel dispenser/waste receptacle - folded towels B-38034 trimline series recessed paper towel dispenser and waste receptacle			
	Diaper changing station baby changing station - KB 110 - SSRE horizontal recessed stainless steel baby changing station			
	Urinal screen			
	Toilet partition			
	Toilet partition HC			
	Mirror - backlit 2' - 4" x 4' - 8" 102800H			
	Utility Shelf			
	Mop and broom holder			
	Paper towel dispenser; folded towels			
	Towel holders			
	Under lavatory Guards			
	Warm air dryers			
				85,130
	<u>Alternates</u>			
Grand Total Toilet Compartments				85,130

* 08 90 00	83 Louvers & Vents	
	Phase III	with sheet metal
	Louvers	
	Louvers at mechanical penthouses	
	Louvers in chiller room	

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
					18,542
*	<u>Alternates</u>				
	Grand Total Visual Display Surfaces				18,542
* 10 14 00	86 Signage				
	See allowances				
*	<u>Alternates</u>				
	Grand Total Signage				
* 10 51 13	87 Metal Lockers				
	Phase III				
	Metal lockers	18.0	Inft	465.33	8,376
	Locker benches - bench tops: laminated clear hardwood; freestanding pedestals: stainless steel	22.0	Inft	278.80	6,133
					14,510
*	<u>Alternates</u>				
	Grand Total Metal Lockers				14,510
* 10 44 13	88 Fire Extinguishers				
	10 44 16 Fire Extinguishers				
	Phase III				
	Fire extinguishers	20.0	each	228.11	4,562
	Community room				
	Fire extinguishers	4.0	each	228.11	912
	Chambers				
	Fire extinguishers	4.0	each	228.11	912
	Library				
	Fire extinguishers	4.0	each	228.11	912
					7,299
*	<u>Alternates</u>				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Grand Total Fire Extinguishers				7,299
* 27 41 00	105 Audiovisual Systems				
	Phase III				
	Command center			with electrical	
	Breakout rooms				
	Sound masking				
	Digital displays				
	Community room				
	Community room				
	Chambers				
	City council chamber, NBTY room, video conference room				
	Library				
	Library media lab				
*	Alternates				
	Grand Total Audiovisual Systems				
* 11 52 13	89 Projection Screens and Projector Mounts				
	Phase III				
	Audio visual equipment is with Electrical				
	Phase III				
	TV's	1.0	each	with a/ v	
	Community room				
	Retractable projector screen w/ 11'7" x 6' 8"	1.0	each	12,000.00	12,000
	proj screen w/ tack wall behind				
	Video projector	1.0	each	with a/ v	
	Mounts	1.0	each	1,100.00	1,100
	Chambers				
	7' x 6' Projection screen	42.0	sqft	65.00	2,730
	13' 3" x 8' Projection screen	107.0	sqft	75.00	8,025
	8' x 6' Projection screen	96.0	sqft	65.00	6,240
	Mounts	3.0	each	1,500.00	4,500
	TVs in NBTY room - none shown	3.0	each	with a/ v	
	TVs	3.0	each	with a/ v	
	Library				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	7' x 6' Projection screen	42.0	sqft	65.00	2,730
	Mounts	1.0	each	1,100.00	1,100
	TVs (in media lab not shown on drawings but counted)		each with a/v		
					38,425
*	<u>Alternates</u>				
	Grand Total Projection Screens and				38,425
* 90 FF & E					
	Soft costs				
*	<u>Alternates</u>				
	Grand Total FF & E				
* 11 40 00 91 Food Service Equipment					
	Library				
	Food service - in the café- Sub proposal	1.0	lsun	121,970.00	121,970
					121,970
*	<u>Alternates</u>				
	Grand Total Food Service Equipmen				121,970
* 11 31 00 92 Residential Appliances					
	Phase III				
	Microwaves	13.0	each	455.00	5,915
	Compact Refrigerators	9.0	each	200.00	1,800
	Refrigerators	5.0	each	1,750.00	8,750
	Compact dishwashers	1.0	each	750.00	750
	Dishwashers	2.0	each	750.00	1,500
	Icemakers	2.0	each	155.00	310
	Installation	32.0	each	75.00	2,400
	Vending machines	2.0	each	NIC	

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
					21,425
*	<u>Alternates</u>				
	Grand Total Residential Appliances				21,425
*	93 Artwork				
	By Owner				
*	<u>Alternates</u>				
	Grand Total Artwork				
* 12 24 13	94 Roller Window Shades				
	Subcontractor Proposal	1.0	Isum	167,800.00	167,800
	Phase III				
	Internal shading type 12' manual shade (1st Floor)				
	"Internal shading type 12' light filtering and BMS controlled shade"				
	Internal shading type 10' manual shade (2nd Floor)				
	Sheet metal closure 6/ A5.11	1.0	Isum	9,700.0	9,700
	Community room				
	Internal shading type 12' motorized light filtering & blackout shade				
	add for high quality blackout shade			not included	
	Chambers				
	Add for the shade going up	1.0	Isum	3,500.0	3,500
	Internal shading type 14' motorized light filtering & blackout shade				
	Internal shading type 17' motorized light filtering & blackout shade				
	Blackout shade -at skylight				
	Library				
	Internal shading type 12' manual shade (1st Floor)				
	Internal shading type 12' light filtering and BMS controlled shade				
	Shading at skylight (if necessary - none shown)			not included	
					181,000
	<u>Alternates</u>				

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Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Grand Total Roller Window Shades				181,000
* 12 48 13	95 Entrance Floor Mats and Frames				
	12 48 16 Entrance Floor Grilles				
	Phase III				
	Mat	5.0	each	2,281.05	11,405
	Community room				
	Mat	1.0	each	2,534.50	2,535
	Chambers				
	Entrance floor grilles - WOM	238.0	sqft	45.00	10,710
	Library				
	Mat	1.0	allow	3,548.30	3,548
					28,198
*	<u>Alternates</u>				
	Grand Total Entrance Floor Mats and Frames				28,198
* 12 61 00	96 Fixed Audience Seating				
	Chambers				
	Seating	163.0	each	1,220.00	198,860
	Premium Upholstery	1.0	lsun	with allowances	
12 61 00	Mockup for each type of seating	1.0	allw	2,500.00	2,500
	Installation	1.0	lsun	13,000.00	13,000
					214,360
*	<u>Alternates</u>				
	Grand Total Fixed Audience Seating				214,360
* 13 31 23	97 Tensioned Fabric Structures-Sail				
	Chambers				
	PTFE fabric panels over steel sub-frame	2,228.0	sqft	93.35	207,991
	Mockup	1.0	allw	21,840.00	21,840
FO 009	Add for 2nd layer of fabric	1.0	lsun	85,000.00	85,000
					314,831
*	<u>Alternates</u>				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Grand Total Tensioned Fabric Struct				314,831
* 48 14 13	98 Photovoltaic System				
	Alternate				
	Alternates				
	Grand Total Photovoltaic System				
* 14 10 00	99 Material Handling Carts				
	Library				
	Dumbwaiter	1.0	lsum	50,690.00	50,690
					50,690
	Alternates				
	Grand Total Material Handling Carts				50,690
* 14 21 00	100 Electric Traction Elevators				
	Phase III				
	Elevators --:	1.0	each	240,000	240,000
	Add for brake release to be located in remote control room	2.0	each	2,500.00	5,000
	Use during construction	2.0	month	not included	
	Acoustical isolators for elevator equipment	1.0	allow	included	
	Temp barricades	1.0	lsum	1,444.00	1,444
	Library				
	Use during construction	1.0	month	not included	
					246,444
	Alternates				
	Grand Total Electric Traction Elevat				246,444
* 21 10 00	101 Fire Protection				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
015.1	Fire Protection	1.0	lsum	667,156	667,156
	Phase III				
	Fire sprinklers including the area above the wood ceiling - curved in some places				
	Fire sprinklers at roof overhang			not included	
	Fire sprinklers at access floor			not included	
	Community room				
	Add for kitchen -Fire sprinklers				
	Chambers				
	Library				
	no clean agent or pre-action system is included in any locations				
	Add for tying into existing system at the library	1.0	lsum	2,777.00	2,777
	Fire watch	32.0	mnh	77.00	2,464
					672,397
	<u>Alternates</u>				
	Grand Total Fire Protection				672,397

* 22 00 00	102 Plumbing				
	22 05 00	Common work results for plumbing			
	22 05 19	Meters and gauges for plumbing piping			
	22 05 23	General duty valves for plumbing piping			
	22 05 29	Hangers and supports for plumbing piping and equipment			
	22 05 53	Identification for plumbing piping and equipment			
	22 07 00	Plumbing insulation			
	22 11 16	Domestic water piping			
	22 11 19	Domestic water piping specialties			
	22 13 16	Sanitary waste and vent piping			
	22 13 19	Sanitary waste piping specialties			
	22 13 29	Submersible Pump Systems			
	22 14 13	Facility storm drainage piping			
	22 33 00	Electric domestic water heaters			
	22 34 00	Fuel-fired domestic water heaters			
	22 40 00	Plumbing fixtures			
	22 49 00	Facility natural gas piping			
	23 51 00	Breechings, chimneys and stacks			
	as applies 31 23 33	Trenching and Backfilling			
015.2	Plumbing		1.0	lsum	987,030.00
	Phase III				

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Sanitary waste and vent				
	Storm drainage				
	All underground plumbing to 5ft line				
	Domestic water systems				
	Pipe & duct insulation				
	Rain leader piping				
	Low flow plumbing fixtures				
	WH-1 Gas water heater				
	SE-1 Sewage ejector				
	SP-1 Sump pump				
	WC-1 Water closet (handy)				
	WC-2 Water closet				
	LAV-1 Lav handy				
	UR-1 Urinal -light powered and charge themselves - per meeting on 10-6-10				
	SK-1 Sink				
	MS-1 Mop sink				
	FD-1 Floor drain 2"				
	FD-2 Floor drain 4"				
	ED-1 Equipment drain				
	HB-1 Hose bib				
	Shower				
	4" Roof & overflow drain				
	Roof & overflow drain going through glass	36.0	loc	475.00	17,100
	FCO floor cleanout				
	PRV station (Pressure Reducing Valve)				
	Kitchenette rough in				
	Misc sound protection measures	120,484.0	sqft	0.44	53,013
	Gas regulator				
	SK-4 - sink not on legend				
	Recycled water connection				
	Community room				
	Sanitary waste and vent				
	Storm drainage as shown				
	All underground plumbing to 5ft line				
	Domestic water systems				
	Pipe & duct insulation				
	Rain leader piping				
	Low flow plumbing fixtures				
	WC-1 Water closet (Handy)				
	WC-2 Water closet				
	LAV-1 Lav handy				
	UR-1 Urinal -light powered and charge themselves - per meeting on 10-6-10				
	UR-1 Urinal -light powered and charge themselves - per meeting on 10-6-10				
	DF-1 Drinking fountain				
	FD-1 Floor drain				
	HB-1 Hose bib				
	Kitchen sink				
	Janitor sink				

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Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Roof drain				
	Refrigerator rough in				
	Additional sound protection measures for domestic lines in sound rated walls				
	WCO				
	4" Storm drain POC				
	5" Sanitary sewer POC				
	Chambers				
	Sanitary waste and vent				
	Storm drainage as shown				
	All underground plumbing to 5ft line				
	Domestic water systems				
	Pipe & duct insulation				
	Low flow plumbing fixtures				
	EWH/1 Instant water heater				
	WC-1 Water closet (Handy)				
	SK-1 Sink				
	Lav-2				
	FD-1 Floor drain				
	Roof drain				
	Janitor sink				
	Library				
	Sanitary waste and vent				
	Storm drainage as shown				
	All underground plumbing to 5ft line				
	Domestic water systems				
	Pipe & duct insulation				
	Low flow plumbing fixtures				
	SK-1 Sink				
	WC-1 Water closet (Handy)				
	WC-2 Water closet				
	UR-1 Urinal -light powered and charge themselves - per meeting on 10-6-10				
	DF-1 Drinking fountain				
	FD-1 - Floor drain 2"				
	FD-2 - Floor drain 4"				
	Additional sound protection measures for domestic lines in sound rated walls				
	Janitor sink				
	ED-1 - Equipment drain - 2" acid resistant coated				
	Flex connection across seismic joint at library				
	POC at library				
	Connect to existing CV				
	Park				
	Drinking fountain	2.0	ea	4,555.00	9,110

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
					1,066,253
	<u>Alternates</u>				
	Grand Total Plumbing				1,066,253

* 23 00 00	103 HVAC				
	23 05 00	Common work results for HVAC			
	23 05 13	Common motor requirements for HVAC equipment			
	23 05 16	Expansion fittings and loops for HVAC piping			
	23 05 19	Meters and gauges for HVAC piping			
	23 05 23	General duty valves for HVAC piping			
	23 05 29	HVAC supports, guides, hangers and anchors			
	23 05 30	Pipe and pipe fittings			
	23 05 48	Vibration Isolation and seismic restraints			
	23 05 53	Identification for HVAC Piping and Equipment			
	23 05 93	Testing, Adjusting, and Balancing for HVAC			
	23 07 13	Ductwork insulation			
	23 07 16	HVAC equipment insulation			
	23 07 19	HVAC piping insulation			
	23 08 00	Commissioning for HVAC		Support only	
	23 09 03	Operator workstations			
	23 09 23	Instrumentation and controls for HVAC			
	23 09 93	Sequence of operations for HVAC control			
	23 21 16	Hydronic piping specialties			
	23 21 18	Underground chilled water piping			
	23 21 23	Hydronic Pumps			
	23 23 00	Refrigeration piping and specialties			
	23 25 00	Water treatment			
	23 31 13	HVAC sheet metal ductwork			
	23 31 16	HVAC flexible ductwork			
	23 33 00	Air duct accessories			
	23 34 00	HVAC fans			
	23 36 00	Air Terminal Units (23 36 00 Air Flow Control Devices)			
	23 37 13	Diffusers, registers and grilles			
	23 41 00	Air treatment equipment (filters)			
	23 51 00	Breechings, chimneys and stacks		The boiler chimney is in the plu	
	23 52 16	Condensing boilers			
	23 57 00	Heat exchangers for HVAC			
	23 64 23	Scroll water chillers			
	23 65 00	Cooling towers			
	23 73 00	Customized central station air handling units			

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
23 81 23	Computer Room Air Handling Units				
23 81 26	Split system air conditioners				
23 82 19	Fan coils				
23 82 33	Perimeter terminal Unit Heater (23 82 33 Convectors)				
23 83 16	Radiant heating hydronic piping				
as applies 31 23 33	Trenching and Backfilling				
33 61 13	Underground Hydronic Energy Distribution				
015.3	HVAC				
	Acoustical Isolation				
	Phase III				
	HVAC sub proposal	1.0	Isom	6,906,529.00	6,906,529
	Chilled water system				
	High efficiency screw chillers of 179 tons				
	High efficiency screw chillers of 106 tons				
	Chilled water pumps				
	VFDs for chilled water pumps.				
	4500 MBTH external cooling tower				
	Condenser water pumps				
	Chilled water distribution for each (5) air handlers				
	Underground condensing water piping including excavation and backfill				
	Underground chilled and heating hot water including excavation and backfill				
	Heating Hot Water System				
	Condensing boilers -high efficiency 799 MBTUH each,				
	Hot water pumps to circulate hot water				
	VFDs for hot water pumps				
	Heating hot water distribution piping to serve the (5) air handlers and the heating reheat zones				
4500 MBTH external cooling tower					
	Chilled and heating water air handlers w/ VFD				
	Relief/exhaust fans serving the 3 air handling units				
	Under floor cooling zones with perimeter reheat				
	Under floor swirl diffusers				
	Under floor 4 foot floor linear with reheat coil -for radiant heating				
	Under floor supply linear diffuser at perimeter				
	Package stand alone dx fan coil unit- VRF type with a common condenser				
	13 Units will have dedicated condensing units.				
	Liebert Stand alone split systems				
	Sound traps				
	Exterior wall louvers				
	Additional acoustical isolation	90.219.0	sqft	0.60	54,131

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Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
	Thermal expansion and seismic separation joints	1.0	lsum	33,000.00	33,000
	Controls				
	Title 24 insulation				
	Air test and balance				
23 05 29	Mockup of each type of pipe support conditions (hanger, penetration, fire stop)	12.0	each	656.00	7,872
23 33 00	Mockup smoke damper installation complete with wall framing, wallboard, wall opening filler pieces, perimeter mounting angles, sleeve, breakaway duct connections, and duct smoke detector access door	1.0	lsum	4,555.00	4,555
	Community room				
	Chilled and heating water air handler				
	Relief/exhaust fan serving the air handling unit				
	Radiant cooling/heating				
	Cooling only VAV zones for kitchen and controls rooms				
	Exhaust for kitchen, and support spaces.				
	Plate and frame heat exchanger to serve radiant floor in community room				
	Dedicated cooling radiant system				
	Under floor duct mains for ventilation are included and intended for installation in trench by others				
	Controls				
	2" of "PEPP lining" at Area Way 0050 at the basement of the Civic Center per note 12, M1.04.	2,976.0	sqft	2.75	8,184
	Additional acoustical isolation	7,177.0	sqft	0.50	3,589
	Title 24 insulation			included	
	Air test and balance				
	Chambers				
	Chilled and heating water air handler				
	Relief/exhaust fan serving the air handling unit				
	General exhaust for support spaces.				
	Under floor duct mains for ventilation are included and intended for installation in the trench by others				
	Under floor swirl diffusers				
	Under floor duct mains for ventilation are included and intended for installation in trench by others				
	Controls				
	Additional acoustical isolation	5,816.0	sqft	1.00	5,816
	Title 24 insulation			included	

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26 00 00	104 Electrical	
26 05 00	Common Work Results For Electrical	
26 05 19	Low Voltage Electrical Power Conductors And Cable	
26 05 26	Grounding And Bonding For Electrical Systems	
26 05 29	Hangers And Supports For Electrical Systems	
26 05 33	Raceway And Boxes For Electrical Systems	
26 05 53	Identification For Electrical Systems	
26 08 00	Commissioning Of Electrical Systems	Support only
26 09 33	Central Dimming Lighting Controls	
26 09 26	Lighting Controls	
26 22 00	Low Voltage Transformers	
26 24 13	Switchboards	
26 24 16	Panel boards	
26 27 13	Electricity Metering	
26 27 19	Modular Wiring Systems (Addendum #2)	
26 27 26	Wiring Devices	
26 28 16	Switches and Circuit Breakers	
26 29 13	Enclosed Motor Controllers	
26 29 23	Variable Frequency Drives	
26 32 00	Packaged Generator Assemblies	

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Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
26 36 23	Automatic Transfer Switches				
26 51 00	Interior Lighting				
26 56 00	Exterior Lighting				
	- Lighting Fixture Schedule				
	as applies 31 23 33 Trenching and Backfilling				
27 41 00	Audio visual system				
	Sound Masking system				
	Mass Ex				
	Street light/electrical adjustments			by owner	
	Phase III				
016.1	Electrical Sub proposal	1.0	lsum	9,408,664.00	9,408,664
	Electrical - including				
	Coordination drawings /BIM support				
	Primary, secondary & emergency site feeders				
	Normal and emergency switchgear & feeders			included	
	Power feeders for equipment connections			included	
	Building lighting fixtures			included	
	Centralized lighting controls utilizing control panels for specified levels of daylight harvesting and dimmable controls.			included	
	Lighting branch and local lighting control devices			included	
	Power branch, devices & miscellaneous equipment & shades connections			included	
	Complete voice/data system cabling and devices			included	
	Complete fire alarm			included	
	Complete security system			included	
	Conduit for A/V system			included	
	A/V system			included	
	Design build fire alarm life safety system.			included	
	Use of code approved wiring methods.			included	
	Parallel 300kw generators.			included	
	Installation of VFDs and pump control panels furnished by others.			included	
	Use under floor power distribution systems.			included	
	Power distribution to future parking structure.			included	
	LEED certification support.			included	
	Connection of window actuator motors, assumes control by rows.			included	
	Empty conduits stubbed to within 5' of future parking structure.			included	
VE	Delete concrete encasement of the ducts			included	
	South coast air quality management district permits.	1.0	allow	25,000.00	25,000
	Temporary power				
	Add for testing / grounding / coordination adjustments at raised floor	71,000.0	sqft	0.37	26,270
	Fuel tank for generator with pad			day tank only	
26 51 00	Interior lighting fixtures for room or module mockups, complete with power and control connections	1.0	lsum	6,500.00	6,500
	Provide power at North Park Irr Controller	1.0	lsum	5,000.00	5,000

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*	27 00 00	106 IT
	27 05 00	Common Work Results For Communications Systems
	27 05 26	Grounding And Bonding For Telecommunications Systems
	27 05 28	Pathways For Communications Systems
	27 05 43	Communications Underground Ducts And Raceways
	27 05 53	Identification For Communications Systems
	27 11 00	Communications Equipment Room Fittings
	27 13 00	Communications Backbone Cabling
	27 15 00	Communications Horizontal Cabling
	27 16 19	Communications Patch Cords, Station Cords & Cross Connect Wire

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[illegible]

* 28 00 00	107 Electronic Safety And Security
28 00 00	Electronic Safety and Security
28 05 13	Security Conductors and Cables
28 06 10	Schedules For Electronic Access Control
28 06 20	Schedules for Electronic Surveillance
28 06 60	Schedules For Electronic Emergency Aid Devices
28 10 00	Electronic Access Control and Intrusion Detection System
28 23 00	Electronic Surveillance System
28 26 23	Electronic Emergency Aid Devices
28 31 00	Fire Alarm System
28 35 00	Refrigerant Detection and Alarm
28 50 00	Uninterruptible Power Supply System
28 60 00	Security Consoles and Cabinets
Parking Garage Low voltage	1.0 Isum with electrical
<u>Alternates</u>	
Grand Total Electronic Safety And S	

* 01 23 00	108 Alternates
see separate file	
*	<u>Alternates</u>

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* Budget#	Description/Scope of Work	Quantity	Unit	Cost/Unit	Total
Grand Total Alternates					
* 01 32 33	109 Photographic Documentation				
	Phase III				
	Time lapse photography	26.0	mo	925.45	24,062
					24,062
*	<u>Alternates</u>				
	Grand Total Photographic Documen				24,062
* 10 75 00	49 Flagpoles				
	New flagpole	1.0	each	with misc metal	
	Concrete base or the flagpole	1.0	each	with sitte	
*	<u>Alternates</u>				
	Grand Total Flagpoles				
* END CSI LIST	110 End Csi Listing				
*	<u>Alternates</u>				
	Grand Total End Csi Listing				
End Of Scope & Pricing Sheets					